#goal: capture all in-scope statements (haven’t dealt with duplicates yet)

#source file: 2014NovUTestv0

# Communicating Passwords

TEXT: The password policy may tell users whether or not they can provide their passwords to other people, under particular circumstances.

COMMENT: Did you have any problems answering questions in this section?

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

() No, I didn’t have any problems answering any questions in this section.

() Yes, I had problems answering one or more questions in this section. [MEMO]

NOTE: Please provide sufficient detail for reviewers to understand the issue(s).

## To Others

TEXT: The policy may address whether passwords can be communicated to other people.

COMMENT: I am having problems with questions on this page:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses with whom a password may not be communicated.

[]The choices above don’t let me identify what’s in the policy. Please explain. [MEMO]

**Communication to Other People**

TEXT: The policy may address whether passwords can be communicated to other people.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses with whom a password may not be communicated.

[]There is a duplicative policy statement for this topic in the policy.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 1.1

TEXT: Does the policy make one or more statements regarding communication of passwords to other people?

()Yes

()No

ID: 1.1.1

TITLE: Communicating passwords to others

DISPLAY\_WHEN: 1.1.A

TEXT: Select the response that best represents the policy statement for this topic.

()Passwords **must not** be communicated to **anyone**.

RESPONSE\_VALIDATION: {required:required}

BNF: Users must not communicate passwords to anyone.

()Passwords **must not** be communicated to **a third party**.

BNF: Users must not communicate passwords to a third party

()Passwords should not be communicated to **anyone**.

BNF: Users should not communicate passwords to anyone

()Passwords should not be communicated to **a third party**.

BNF: Users should not communicate passwords to a third party.

()These choices don’t let me identify what’s in the policy.

#make a bnf that flags this choice!

ID: 1.1.1.1

DISPLAY\_WHEN: 1.1.1.E

#indent and make the note a response\_level note

NOTE: Please describe:

[MEMO]

**Emergency Situations**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy includes an exception for communicating passwords in emergency situations.

[]There is a duplicative policy statement for this topic in the policy.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 1.2

#TITLE: Exceptions for Emergency Situations

TEXT: Does the policy make one or more statements regarding an exception for emergency situations?

()Yes

()No

ID: 1.2.1

TITLE: Exceptions for Emergency Situations

DISPLAY\_WHEN: 1.2.A

TEXT: Select the response that best represents the policy statement for this topic.

()Passwords **must not** be communicated, **except in emergency situations**.

BNF: Users must not communicate passwords except in an emergency

()Passwords **should not** be communicated, **except in emergency situations**.

BNF: Users should not communicate passwords except in an emergency

()These choices don’t let me identify what’s in the policy.

RESPONSE\_VALIDATION: {required:required}

ID: 1.2.1.1

DISPLAY\_WHEN: 1.2.1.C

#indent

NOTE: Please describe:

[MEMO]

## Communication Methods

TEXT: The policy may address specific methods for communicating passwords (e.g., mail, email, Internet, phone, etc.).

COMMENT: Did you have any problems answering questions in this section?

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

() No, I didn’t have any problems answering any questions in this section.

() Yes, I had problems answering one or more questions in this section. *Please describe in sufficient detail for reviewers to understand any issue(s).* [MEMO]

**Communication “by any method”**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses the communication of passwords "by any method."

[]There is a duplicative policy statement for this topic in the policy.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 1.3

TITLE: Communication "by any method"

TEXT: Does the policy make one or more statements regarding communication of passwords “by any method”?

()Yes

()No

ID: 1.3.1

TEXT: Select the response that best represents the policy statement for this topic.

DISPLAY\_WHEN: 1.3.A

()Passwords **must not** be communicated "**by any method**."

BNF: Users must not communicate passwords by any means

()Passwords **should not** be communicated "**by any method**."

BNF: Users should not communicate passwords by any means

()These choices don’t let me identify what’s in the policy.

ID: 1.3.1.1

DISPLAY\_WHEN: 1.3.1.C

#indent

NOTE: Please describe:

[MEMO]

**Communication using any network**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses the communication of passwords by the use of any network.

[]There is a duplicative policy statement for this topic in the policy.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain. [MEMO]

ID: 1.4

TITLE: Communication using any network

TEXT: Does the policy make one or more statements regarding communication of passwords using **“any network”**?

()Yes

()No

ID: 1.4.1

DISPLAY\_WHEN: 1.4.A

TEXT: Select the response that best represents the policy statement for this topic.

()Passwords **must not** be communicated on **any network**.

BNF: Users must not communicate passwords by any network

()Passwords **must not** be communicated **unencrypted** on **any network**.

BNF: Users must not communicate passwords by any network without encryption

()Passwords **should not** be communicated on **any network**.

BNF: Users should not communicate passwords by any network

()Passwords **should not** be communicated **unencrypted** on **any network**.

BNF: Users should not communicate passwords by any network without encryption

()These choices don’t let me identify what’s in the policy.

ID: 1.4.1.1

DISPLAY\_WHEN: 1.4.1.E

#indent

NOTE: Please describe:

[MEMO]

**Communication using the Internet or a Wide Area Network (WAN)**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses the communication of passwords on the Internet or a Wide Area Network.

[]There is a duplicative policy statement for this topic in the policy.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 1.5

#TITLE: Communication using **the Internet or a Wide Area Network (WAN)**

TEXT: Does the policy make one or more statements regarding communication of passwords using the Internet or a WAN?

()Yes

()No

ID: 1.5.1

DISPLAY\_WHEN: 1.5.A

TEXT: Select the response that best represents the policy statement for this topic.

()Passwords **must not** be communicated using **the Internet or a WAN**.

BNF: Users must not communicate passwords by Internet or wide-area network

()Passwords **must not** be communicated **unencrypted** on **the Internet or a WAN**.

BNF: Users must not communicate passwords by Internet or wide-area network without encryption

()Passwords **should not** be communicated using **the Internet or a WAN**.

BNF: Users should not communicate passwords by Internet or wide-area network

()Passwords **should not** be communicated **unencrypted** on **the Internet or a WAN**.

BNF: Users should not communicate passwords by Internet or wide-area network without encryption

()These choices don’t let me identify what’s in the policy.

ID: 1.5.1.1

DISPLAY\_WHEN: 1.5.1.E

#indent

NOTE: Please describe:

[MEMO]

**Communication using a Local Area Network (LAN)**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses the communication of passwords using a Local Area Network.

[]There is a duplicative policy statement for this topic in the policy.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 1.6

#TITLE: Communication using a **Local Area Network (LAN)**

TEXT: Does the policy make one or more statements regarding communication of passwords using a Local Area Network?

()Yes

()No

ID: 1.6.1

DISPLAY\_WHEN: 1.6.A

TEXT: Select the response that best represents the policy statement for this topic.

()Passwords **must not** be communicated using a **LAN**.

BNF: Users must not communicate passwords by local area network

()Passwords **must not** be communicated **unencrypted** on a **LAN**.

BNF: Users must not communicate passwords by local area network without encryption

()Passwords **should not** be communicated using a **LAN**.

BNF: Users should not communicate passwords by local area network

()Passwords **should not** be communicated **unencrypted** on a **LAN**.

BNF: Users should not communicate passwords by local area network without encryption

()These choices don’t let me identify what’s in the policy.

ID: 1.6.1.1

DISPLAY\_WHEN: 1.6.1.E

#indent

NOTE: Please describe:

[MEMO]

**Communication by email**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses the communication of passwords using email.

[]There is a duplicative policy statement for this topic in the policy.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 1.7

#TITLE: Communication by **email**

TEXT: Does the policy make one or more statements regarding communication of passwords using email?

()Yes

()No

ID: 1.7.1

DISPLAY\_WHEN: 1.7.A

TEXT: Select the response that best represents the policy statement for this topic.

()Passwords **must not** be communicated by **email**.

BNF: Users must not communicate passwords by email

()Passwords **must not** be communicated **unencrypted** by **email**.

BNF: Users must not communicate passwords by email without encryption

()Passwords **should not** be communicated by **email**

BNF: Users should not communicate passwords by email

()Passwords **should not** be communicated **unencrypted** by **email**.

BNF: Users should not communicate passwords by email without encryption

()These choices don’t let me identify what’s in the policy.

ID: 1.7.1.1

DISPLAY\_WHEN: 1.7.1.E

#indent

NOTE: Please describe:

[MEMO]

**Communication by postal mail**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses the communication of passwords by postal mail.

[]There is a duplicative statement in the policy about communication by postal mail.

[]There is a duplicative statement in the policy about communication by postal mail with the user ID.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 1.8

#TITLE: Communication by **postal mail**

TEXT: Does the policy make one or more statements regarding communication of passwords by postal mail?

()Yes

()No

ID: 1.8.1

DISPLAY\_WHEN: 1.8.A

TEXT: Select the response that best represents the policy statement for this topic.

()Passwords **must not** be communicated by **postal mail**.

BNF: Users must not communicate passwords by mail

()Passwords **must not** be communicated **unencrypted** by **postal mail**.

BNF: Users must not communicate passwords by mail without encryption

()Passwords **should not** be communicated by **postal mail**

BNF: Users should not communicate passwords by mail

()Passwords **should not** be communicated **unencrypted** by **postal mail**.

BNF: Users should not communicate passwords by mail without encryption

()These choices don’t let me identify what’s in the policy.

ID: 1.8.1.1

DISPLAY\_WHEN: 1.8.1.E

#indent

NOTE: Please describe:

[MEMO]

ID: 1.9

#TITLE: Communication by **postal mail, together with the user ID**

TEXT: Does the policy make one or more statements regarding communication of passwords by postal mail, together with the user ID?

()Yes

()No

ID: 1.9.1

DISPLAY\_WHEN: 1.9.A

TEXT: Select the response that best represents the policy statement for this topic.

()Passwords **must not** be communicated by **postal mail together with the user ID**.

BNF: Users must not communicate passwords by mail accompanied by the user ID

()Passwords **should not** be communicated by **postal mail together with the user ID**.

BNF: Users should not communicate passwords by mail accompanied by the user ID

()These choices don’t let me identify what’s in the policy.

ID: 1.9.1.1

DISPLAY\_WHEN: 1.9.1.C

#indent

NOTE: Please describe:

[MEMO]

**Communication by phone and voicemail**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses the communication of passwords by phone or voicemail.

[]There is a duplicative policy statement in the policy for communication by phone.

[]There is a duplicative policy statement in the policy for communication by voicemail.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 1.10

#TITLE: Communication by **phone**

TEXT: Does the policy make one or more statements regarding communication of passwords by phone?

()Yes

()No

ID: 1.10.1

DISPLAY\_WHEN: 1.10.A

TEXT: Select the response that best represents the policy statement for this topic.

()Passwords **must not** be communicated by **phone**.

BNF: Users must not communicate passwords by phone

()Passwords **should not** be communicated by **phone**.

BNF: Users should not communicate passwords by phone

()These choices don’t let me identify what’s in the policy.

ID: 1.10.1.1

DISPLAY\_WHEN: 1.10.1.C

#indent

NOTE: Please describe:

[MEMO]

ID: 1.11

#TITLE: Communication by **voicemail**

TEXT: Does the policy make one or more statements regarding communication of passwords by voicemail?

()Yes

()No

ID: 1.11.1

DISPLAY\_WHEN: 1.11.A

TEXT: Select the response that best represents the policy statement for this topic.

()Passwords **must not** be communicated by **voicemail**.

BNF: Users must not communicate passwords by phone mail

()Passwords **should not** be communicated by **voicemail**.

BNF: Users should not communicate passwords by phone mail

()These choices don’t let me identify what’s in the policy.

ID: 1.11.1.1

DISPLAY\_WHEN: 1.11.1.C

#indent

NOTE: Please describe:

[MEMO]

# Creating Passwords

<![CDATA[ You will be asked about what **characters**, **words**, or **pre-existing passwords** can be used in passwords. <p/>The following questions about **characters** address:<br><ul><li>password **length** (minimum and maximum);</li><li>the **types of characters** used in passwords;</li><li>the **positions** within passwords where certain characters can be used; and</li>**<li> combinations, sequences, and patterns** of characters.</li></ul> ]]>

COMMENT: Did you have any problems with questions in this section?

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

() No, I didn’t have any problems with any questions in this section.

() Yes, I had problems with one or more questions in this section. [MEMO]

NOTE: Please provide sufficient detail for reviewers to understand any issues.

## Password Length

The following questions address the **number of characters** that may or may not be used in passwords.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

()I can’t tell if this policy has requirements for password length.

()The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

**Minimum and Maximum**

The policy may address the **number of characters** that may or may not be used in passwords.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy has requirements for password length.

[]There is a duplicative policy statement regarding minimum length in the policy.

[]There is a duplicative policy statement regarding maximum length in the policy.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 2.0

TEXT: Does the policy address requirements or recommendations for password length?

()Yes

()No

ID: 2.1

DISPLAY\_WHEN: 2.0.A

TITLE:

TEXT: Minimum Password Length:

NOTE:

()Passwords **must be** *at least* [NUMERICAL]{min:1} characters long.

BNF: Users must create passwords with length greater than or equal to [INSERT]{qref: q.2.1.A.a} characters

()Passwords **should be** *at least* [NUMERICAL]{min:1} characters long.

BNF: Users should create passwords with length greater than or equal to [INSERT]{qref: q.2.1.B.a} characters

()There is *no* *minimum* password length.

ID: 2.2

DISPLAY\_WHEN: 2.0.A

TITLE:

TEXT: Maximum Password Length:

NOTE:

()Passwords **must not be more than** [NUMERICAL]{min:1} characters long.

#how to insert the minimum from prev question, if it doesn't have a value? (for matt)

BNF: Users must not create passwords with length greater than or equal to [INSERT]{qref: q.2.2.A.a; math:1} characters

()Passwords **should not be more than** [NUMERICAL]{min:1} characters long.

BNF: Users should not create passwords with length greater than or equal to [INSERT]{qref: q.2.2.B.a; math:1} characters

()There is *no maximum* password length.

## Password Character Types

The following questions address the **types of characters** that may or may not be used in passwords.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

()I can’t tell if this policy addresses using any of the characters mentioned above in passwords.

()The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

**Alphanumeric characters**

#The following questions address the **types of characters** that may or may not be used in passwords.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using any of the characters mentioned above in passwords.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 2.3.0

TITLE: Alphanumeric characters

TEXT: Regarding password creation, does the policy make one or more statements regarding use of alphanumeric characters, e.g., letters and numbers?

()Yes

()No

ID: 2.3

DISPLAY\_WHEN: 2.3.0.A

TEXT: Which of the following types of **letters and numbers** are mentioned in the policy?

NOTE: **Check all types mentioned in the policy**. You will then be asked a question about each one selected.

[]Upper case letters

[]Lower case letters

[]"Letters" (case is not specified)

[]Numbers

ID: 2.3.1

TITLE:

TEXT: ***Upper case letters*** are:

DISPLAY\_WHEN: 2.3.A

()***not* allowed** in the password

BNF: Users must not create passwords with a character in the set of upper-case letters

()recommended against (e.g., ***should not*** be in the password)

()recommended (1 or more ***should*** be in the password)

()required (1 or more ***must*** be in the password)

#add additional, more diced question/response pairs to keep users from making their choice in 2.3.1 be inconsistent with the choice in 2.3.1.1 (eg, now they can choice should not above and require below)

ID: 2.3.1.1

TITLE:

TEXT: What is the **minimum** number of **upper case letters**?

DISPLAY\_WHEN: 2.3.1.B or 2.3.1.C or 2.3.1.D

()No minimum number is specified.

BNF {2.3.1.B}: Users should not create passwords with a character in the set of upper-case letters

BNF {2.3.1.C}: Users should create passwords with a character in the set of upper-case letters

BNF {2.3.1.D}: Users must create passwords with a character in the set of upper-case letters

()*At least* [NUMERICAL]{min:1} upper case letters ***must*** be used.

BNF: Users must create passwords with [INSERT]{qref:q.2.3.1.1.B.a} or more characters in the set of upper-case letters

()*At least* [NUMERICAL]{min:1} upper case letters ***should*** be used.

BNF: Users should create passwords with [INSERT]{qref:q.2.3.1.1.C.a} or more characters in the set of upper-case letters

ID: 2.3.1.2

TITLE:

TEXT: What is the **maximum** number of **upper case letters**?

DISPLAY\_WHEN: 2.3.1.B or 2.3.1.C or 2.3.1.D

()No maximum number is specified.

()Passwords ***must not*** *have more than* [NUMERICAL]{min:1} upper case letters.

BNF: Users must not create passwords with [INSERT]{qref: q.2.3.1.2.B.a; math:1} or more characters in the set of upper-case letters

()Passwords ***should not*** *have more than* [NUMERICAL]{min:1} upper case letters.

BNF: Users should not create passwords with [INSERT]{qref: q.2.3.1.2.C.a; math:1} or more characters in the set of upper-case letters

ID: 2.3.2

TITLE:

TEXT: ***Lower case letters*** are:

DISPLAY\_WHEN: 2.3.B

()***not* allowed** in the password

BNF: Users must not create passwords with a character in the set of lower-case letters

()recommended against (e.g., allowed but ***should not*** be in the password)

()recommended (1 or more ***should*** be in the password)

()required (1 or more ***must*** be in the password)

ID: 2.3.2.1

TITLE:

TEXT: What is the **minimum** number of **lower case letters**?

DISPLAY\_WHEN: 2.3.2.B or 2.3.2.C or 2.3.2.D

()No minimum number is specified.

BNF {2.3.2.B}: Users should not create passwords with a character in the set of lower-case letters

BNF {2.3.2.C}: Users should create passwords with a character in the set of lower-case letters

BNF {2.3.2.D}: Users must create passwords with a character in the set of lower-case letters

()*At least* [NUMERICAL]{min:1} lower case letters ***must*** be used.

BNF: Users must create passwords with [INSERT]{qref: q.2.3.2.1.B.a} or more characters in the set of lower-case letters

()*At least* [NUMERICAL]{min:1} lower case letters ***should*** be used.

BNF: Users should create passwords with [INSERT]{qref: q.2.3.2.1.C.a} or more characters in the set of lower-case letters

ID: 2.3.2.2

TITLE:

TEXT: What is the **maximum** number of **lower case letters**?

DISPLAY\_WHEN: 2.3.2.B or 2.3.2.C or 2.3.2.D

()No maximum number is specified.

()Passwords ***must not*** *have more than* [NUMERICAL]{min:1} lower case letters.

BNF: Users must not create passwords with [INSERT]{qref: q.2.3.2.2.B.a; math:1} or more characters in the set of lower-case letters

()Passwords ***should not*** *have more than* [NUMERICAL]{min:1} lower case letters.

BNF: Users should not create passwords with [INSERT]{qref: q.2.3.2.2.C.a; math:1} or more characters in the set of lower-case letters

ID: 2.3.3

TITLE:

TEXT:**"*Letters*" *(case is not specified)*** are:

DISPLAY\_WHEN: 2.3.C

()***not* allowed** in the password

BNF: Users must not create passwords with a character in the set of letters (unspec)

()recommended against (e.g., allowed but ***should not*** be in the password)

()recommended (1 or more ***should*** be in the password)

()required (1 or more ***must*** be in the password)

ID: 2.3.3.1

TITLE:

TEXT: What is the **minimum** number of **"letters"**?

DISPLAY\_WHEN: 2.3.3.B or 2.3.3.C or 2.3.3.D

()No minimum number is specified.

BNF {2.3.3.B}: Users should not create passwords with a character in the set of letters (unspec)

BNF {2.3.3.C}: Users should create passwords with a character in the set of letters (unspec)

BNF {2.3.3.D}: Users must create passwords with a character in the set of letters (unspec)

()*At least* [NUMERICAL]{min:1} "letters" ***must*** be used.

BNF: Users must create passwords with [INSERT]{qref: q.2.3.3.1.B.a} or more characters in the set of letters (unspec)

()*At least* [NUMERICAL]{min:1} "letters" ***should*** be used.

BNF: Users should create passwords with [INSERT]{qref: q.2.3.3.1.C.a} or more characters in the set of letters (unspec)

ID: 2.3.3.2

TITLE:

TEXT: What is the **maximum** number of **"letters"**?

DISPLAY\_WHEN: 2.3.3.B or 2.3.3.C or 2.3.3.D

()No maximum number is specified.

()Passwords ***must not*** *have more than* [NUMERICAL]{min:1} "letters."

BNF: Users must not create passwords with [INSERT]{qref: q.2.3.3.2.B.a; math:1} or more characters in the set of letters (unspec)

()Passwords ***should not*** *have more than* [NUMERICAL]{min:1} "letters."

BNF: Users should not create passwords with [INSERT]{qref: q.2.3.3.2.C.a; math:1} or more characters in the set of letters (unspec)

ID: 2.3.4

TITLE:

TEXT: ***Numbers*** are:

DISPLAY\_WHEN: 2.3.D

()***not* allowed** in the password

BNF: Users must not create passwords with a character in the set of numbers

()recommended against (e.g., allowed but ***should not*** be in the password)

()recommended (1 or more ***should*** be in the password)

()required (1 or more ***must*** be in the password)

ID: 2.3.4.1

TITLE:

TEXT: What is the **minimum** number of **numbers**?

DISPLAY\_WHEN: 2.3.4.B or 2.3.4.C or 2.3.4.D

()No minimum number is specified.

BNF {2.3.4.B}: Users should not create passwords with a character in the set of numbers

BNF {2.3.4.C}: Users should create passwords with a character in the set of numbers

BNF {2.3.4.D}: Users must create passwords with a character in the set of numbers

()*At least* [NUMERICAL]{min:1} numbers ***must*** be used.

BNF: Users must create passwords with [INSERT]{qref: q.2.3.4.1.B.a} or more characters in the set of numbers

()*At least* [NUMERICAL]{min:1} numbers ***should*** be used.

BNF: Users should create passwords with [INSERT]{qref: q.2.3.4.1.C.a} or more characters in the set of numbers

ID: 2.3.4.2

TITLE:

TEXT: What is the **maximum** number of **numbers**?

DISPLAY\_WHEN: 2.3.4.B or 2.3.4.C or 2.3.4.D

DISPLAY\_WHERE:

()No maximum number is specified.

()Passwords ***must not*** *have more than* [NUMERICAL]{min:1} numbers.

BNF: Users must not create passwords with [INSERT]{qref: q.2.3.4.2.B.a; math:1} or more characters in the set of numbers

()Passwords ***should not*** *have more than* [NUMERICAL]{min:1} numbers.

BNF: Users should not create passwords with [INSERT]{qref: q.2.3.4.2.C.a; math:1} or more characters in the set of numbers

**Specific, individual characters**

Questions on this page apply when the policy identifies specific, individual characters, e.g., # @ + $ etc.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using specific lists of characters.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 2.4

#TITLE: Specific, individual characters, e.g., # @ + $

TEXT: Does the policy identify individual characters and how they may or may not be used?

()Yes

()No

ID: 2.4.1

TITLE: Prohibited characters

TEXT: Does the policy state that specific characters **must not be used** in passwords?

DISPLAY\_WHEN: 2.4.A

() Yes

() No

ID: 2.4.1.1

NOTE: Enter the specific characters listed in the policy, e.g., # @ + $, that **must not be used** in passwords:

DISPLAY\_WHEN: 2.4.1.A

[TEXTBOX]

BNF: Users must not create passwords with a character in the set of these special characters: [INSERT]{qref: q.2.4.1.1}

ID: 2.4.2

TITLE: Characters recommended against

TEXT: Does the policy state that specific characters **should not be used** in passwords?

DISPLAY\_WHEN: 2.4.A

()Yes

()No

ID: 2.4.2.1

NOTE: Enter the specific characters listed in the policy, e.g., # @ + $, that **should not be used** in passwords:

DISPLAY\_WHEN: 2.4.2.A

[TEXTBOX]

BNF: Users should not create passwords with a character in the set of these special characters: [INSERT]{qref: q.2.4.2.1}

ID: 2.4.3

TITLE: Required characters

TEXT: Does the policy state that specific characters **must be used** in passwords?

DISPLAY\_WHEN: 2.4.A

()Yes

()No

ID: 2.4.3.1

NOTE: Enter the specific characters listed in the policy, e.g., # @ + $, that **must be used** in passwords:

DISPLAY\_WHEN: 2.4.3.A

[TEXTBOX]

ID: 2.4.3.2

TEXT: How many of these characters, at a **minimum**, *must* be used?

DISPLAY\_WHEN: 2.4.3.A

()*At least* [NUMERICAL]{min:1} of these characters ***must*** be used.

BNF: Users must create passwords with [INSERT]{qref: q.2.4.3.2.A.a} or more characters in the set of these special characters: [INSERT]{qref: q.2.4.3.1}

()No minimum number is specified.

BNF: Users must create passwords with a character in the set of these special characters: [INSERT]{qref: q.2.4.3.1}

ID: 2.4.3.3

TEXT: *At most*, how many of these characters can be used?

DISPLAY\_WHEN: 2.4.3.A

()A password ***must not*** *have more than* [NUMERICAL]{min:1} of these characters.

BNF: Users must not create passwords with [INSERT]{qref: q.2.4.3.3.A.a; math:1} or more characters in the set of these special characters: [INSERT]{qref: q.2.4.3.1}

()A password ***should not*** *have more than* [NUMERICAL]{min:1} of these characters.

BNF: Users should not create passwords with [INSERT]{qref: q.2.4.3.3.B.a; math:1} or more characters in the set of these special characters: [INSERT]{qref: q.2.4.3.1}

()No maximum number is specified.

ID: 2.4.4

TITLE: Recommended characters

TEXT: Does the policy state that specific characters **should be used** in passwords?

DISPLAY\_WHEN: 2.4.A

()Yes

()No

ID: 2.4.4.1

NOTE: Enter the specific characters listed in the policy, e.g., # @ + $, that **should be used** in passwords:

DISPLAY\_WHEN: 2.4.4.A

[TEXTBOX]

ID: 2.4.4.2

TEXT: How many of these characters, at a **minimum**, *should* be used?

DISPLAY\_WHEN: 2.4.4.A

()*At least* [NUMERICAL]{min:1} of these characters ***should*** be used.

BNF: Users should create passwords with [INSERT]{qref: q.2.4.4.2.A.a} or more characters in the set of these special characters: [INSERT]{qref: q.2.4.4.1}

()No minimum number is specified.

BNF: Users should create passwords with a character in the set of these special characters: [INSERT]{qref: q.2.4.4.1}

ID: 2.4.4.3

TEXT: *At most*, how many of these characters can be used?

DISPLAY\_WHEN: 2.4.4.A

()A password ***must not*** *have more than* [NUMERICAL]{min:1} of these characters.

BNF: Users must not create passwords with [INSERT]{qref: q.2.4.4.3.A.a; math:1} or more characters in the set of these special characters: [INSERT]{qref: q.2.4.4.1}

#this is the same bnf as 2.4.3.3

()A password ***should not*** *have more than* [NUMERICAL]{min:1} of these characters.

BNF: Users should not create passwords with [INSERT]{qref: q.2.4.4.3.B.a; math:1} or more characters in the set of these special characters: [INSERT]{qref: q.2.4.4.1}

()No maximum number is specified.

**Other character types**

#consider breaking the following into pages and additional level 4s section

Questions on this page pertain to character types not previously identified.

COMMENT: I am having problems with this topic:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using any of the characters mentioned above in passwords.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.8.0

TEXT: Regarding password creation, does the policy make one or more statements regarding the use of **other characters: special characters, whitespace, punctuation, control characters,** and **"all other characters"?**

()Yes

()No

ID: 2.8

TITLE:

DISPLAY\_WHEN: 2.8.0.A

TEXT: Which of the following types of **other characters** are mentioned in the policy?

NOTE: **Check all types mentioned in the policy**. You will then be asked a question about each one selected.

[]"Special characters"

[]"Punctuation"

[]"Control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]Whitespace

[]"All other characters"

ID: 2.8.1

#TITLE: Special Characters

TEXT: ***"Special characters"*** are:

#NOTE: (select one)

DISPLAY\_WHEN: 2.8.A

() ***not* allowed** in the password

BNF: Users must not create passwords with a character in the set of special characters (unspec)

()recommended against (e.g., ***should not*** be in the password)

()recommended (1 or more ***should*** be in the password)

()required (1 or more ***must*** be in the password)

ID: 2.8.1.1

TITLE:

TEXT: What is the **minimum** number of **"special characters"**?

DISPLAY\_WHEN: 2.8.1.B or 2.8.1.C or 2.8.1.D

()No minimum number is specified.

BNF {2.8.1.B}: Users should not create passwords with a character in the set of special characters (unspec)

BNF {2.8.1.C}: Users should create passwords with a character in the set of special characters (unspec)

BNF {2.8.1.D}: Users must create passwords with a character in the set of special characters (unspec)

()*At least* [NUMERICAL]{min:1} "special characters" ***must*** be used.

BNF: Users must create passwords with [INSERT]{qref:q.2.8.1.1.B.a} or more characters in the set of special characters (unspec)

()*At least* [NUMERICAL]{min:1} "special characters" ***should*** be used.

BNF: Users should create passwords with [INSERT]{qref:q.2.8.1.1.C.a} or more characters in the set of special characters (unspec)

ID: 2.8.1.2

TITLE:

TEXT: What is the **maximum** number of **"special characters"**?

DISPLAY\_WHEN: 2.8.1.B or 2.8.1.C or 2.8.1.D

()No maximum number is specified.

()Passwords ***must not*** *have more than* [NUMERICAL]{min:1} "special characters".

BNF: Users must not create passwords with [INSERT]{qref:q.2.8.1.2.B.a; math:1} or more characters in the set of special characters (unspec)

()Passwords ***should not*** *have more than* [NUMERICAL]{min:1} "special characters".

BNF: Users should not create passwords with INSERT]{qref:q.2.8.1.2.C.a; math:1} or more characters in the set of special characters (unspec)

ID: 2.8.2

#TITLE: Punctuation Characters

TEXT: ***"Punctuation"*** is:

DISPLAY\_WHEN: 2.8.B

()***not* allowed** in the password

BNF: Users must not create passwords with a character in the set of punctuation

()recommended against (e.g., ***should not*** be in the password)

()recommended (1 or more ***should*** be in the password)

()required (1 or more ***must*** be in the password)

ID: 2.8.2.1

TITLE:

TEXT: What is the **minimum** number of **"punctuation"** characters?

DISPLAY\_WHEN: 2.8.2.B or 2.8.2.C or 2.8.2.D

()No minimum number is specified.

BNF {2.8.2.B}: Users should not create passwords with a character in the set of punctuation

BNF {2.8.2.C}: Users should create passwords with a character in the set of punctuation

BNF {2.8.2.D}: Users must create passwords with a character in the set of punctuation

()*At least* [NUMERICAL]{min:1} "punctuation" character(s) ***must*** be used.

BNF: Users must create passwords with [INSERT]{qref:q.2.8.2.1.B.a} or more characters in the set of punctuation

()*At least* [NUMERICAL]{min:1} "punctuation" character(s) ***should*** be used.

BNF: Users should create passwords with [INSERT]{qref:q.2.8.2.1.C.a} or more characters in the set of punctuation

ID: 2.8.2.2

TITLE:

TEXT: What is the **maximum** number of **"punctuation"** characters?

DISPLAY\_WHEN: 2.8.2.B or 2.8.2.C or 2.8.2.D

DISPLAY\_WHERE:

()No maximum number is specified.

()Passwords ***must not*** *have more than* [NUMERICAL]{min:1} "punctuation" characters.

BNF: Users must not create passwords with [INSERT]{qref: q.2.8.2.2.B.a; math:1} or more characters in the set of punctuation

()Passwords ***should not*** *have more than* [NUMERICAL]{min:1} "punctuation" characters.

BNF: Users should not create passwords with [INSERT]{qref: q.2.8.2.2.C.a; math:1} or more characters in the set of punctuation

ID: 2.8.3

#TITLE: Control/non-printable Characters

TEXT: ***"Control characters"*** or ***"non-printable characters"*** are:

DISPLAY\_WHEN: 2.8.C

()***not* allowed** in the password

BNF: Users must not create passwords with a character in the set of control or non-printable characters (unspec)

()recommended against (e.g., ***should not*** be in the password)

()recommended (1 or more ***should*** be in the password)

()required (1 or more ***must*** be in the password)

ID: 2.8.3.1

TITLE:

TEXT: What is the **minimum** number of **"control characters"** or **"non-printable characters"**?

DISPLAY\_WHEN: 2.8.3.B or 2.8.3.C or 2.8.3.D

()No minimum number is specified.

BNF {2.8.3.B}: Users should not create passwords with a character in the set of control or non-printable characters (unspec)

BNF {2.8.3.C}: Users should create passwords with a character in the set of control or non-printable characters (unspec)

BNF {2.8.3.D}: Users must create passwords with a character in the set of control or non-printable characters (unspec)

()*At least* [NUMERICAL]{min:1} of these types of characters ***must*** be used.

BNF: Users must create passwords with [INSERT]{qref:q.2.8.3.1.B.a} or more characters in the set of control or non-printable characters (unspec)

()*At least* [NUMERICAL]{min:1} of these types of characters ***should*** be used.

BNF: Users should create passwords with [INSERT]{qref:q.2.8.3.1.C.a} or more characters in the set of control or non-printable characters (unspec)

ID: 2.8.3.2

TITLE:

TEXT: What is the **maximum** number of **"control characters"** or **"non-printable characters"**?

DISPLAY\_WHEN: 2.8.3.B or 2.8.3.C or 2.8.3.D

()No maximum number is specified.

()Passwords ***must not*** *have more than* [NUMERICAL]{min:1} of these types of characters.

BNF: Users must not create passwords with [INSERT]{qref:q.2.8.3.2.B.a; math:1} or more characters in the set of control or non-printable characters (unspec)

()(Recommendation) Passwords ***should not*** *have more than* [NUMERICAL]{min:1} of these types of characters.

BNF: Users should not create passwords with [INSERT]{qref:q.2.8.3.2.C.a; math:1} or more characters in the set of control or non-printable characters (unspec)

ID: 2.8.4

#TITLE: Whitespace characters

TEXT: ***"Whitespace"*** is:

DISPLAY\_WHEN: 2.8.D

()***not* allowed** in the password

BNF: Users must not create passwords with a character in the set of whitespace

()recommended against (e.g., ***should not*** be in the password)

()recommended (1 or more ***should*** be in the password)

()required (1 or more ***must*** be in the password)

ID: 2.8.4.1

TITLE:

TEXT: What is the **minimum** number of **"whitespace"** characters?

DISPLAY\_WHEN: 2.8.4.B or 2.8.4.C or 2.8.4.D

()No minimum number is specified.

BNF {2.8.4.B}: Users should not create passwords with a character in the set of whitespace

BNF {2.8.4.C}: Users should create passwords with a character in the set of whitespace

BNF {2.8.4.D}: Users must create passwords with a character in the set of whitespace

()*At least* [NUMERICAL]{min:1} "whitespace" characters ***must*** be used.

BNF: Users must create passwords with [INSERT]{qref: q.2.8.4.1.B.a} or more characters in the set of whitespace

()*At least* [NUMERICAL]{min:1} "whitespace" characters ***should*** be used.

BNF: Users should create passwords with [INSERT]{qref: q.2.8.2.1.C.a} or more characters in the set of whitespace

ID: 2.8.4.2

TITLE:

TEXT: What is the **maximum** number of **"whitespace"** characters?

DISPLAY\_WHEN: 2.8.4.B or 2.8.4.C or 2.8.4.D

()No maximum number is specified.

()Passwords ***must not*** *have more than* [NUMERICAL]{min:1} "whitespace" characters.

BNF: Users must not create passwords with [INSERT]{qref: q.2.8.4.2.B.a; math:1} or more characters in the set of whitespace

()Passwords ***should not*** *have more than* [NUMERICAL]{min:1} "whitespace" characters.

BNF: Users should not create passwords with [INSERT]{qref: q.2.8.4.2.C.a; math:1} or more characters in the set of whitespace

ID: 2.8.5

#TITLE: "All other characters"

TEXT: ***"All other characters"*** are:

DISPLAY\_WHEN: 2.8.E

()***not* allowed** in the password

BNF: Users must not create passwords with a character in the set of all other characters (unspec)

()recommended against (e.g., ***should not*** be in the password)

()recommended (1 or more ***should*** be in the password)

()required (1 or more ***must*** be in the password)

ID: 2.8.5.1

TITLE:

TEXT: What is the **minimum** number of **"all other characters"**?

#NOTE: (select the best answer)

DISPLAY\_WHEN: 2.8.5.B or 2.8.5.C or 2.8.5.D

()No minimum number is specified.

BNF {2.8.5.B}: Users should not create passwords with a character in the set of all other characters (unspec)

BNF {2.8.5.C}: Users should create passwords with a character in the set of all other characters (unspec)

BNF {2.8.5.D}: Users must create passwords with a character in the set of all other characters (unspec)

()*At least* [NUMERICAL]{min:1} "other characters" ***must*** be used.

BNF: Users must create passwords with [INSERT]{qref:q.2.8.5.1.B.a} or more characters in the set of all other characters (unspec)

()(Recommendation) *At least* [NUMERICAL]{min:1} "other characters" ***should*** be used.

BNF: Users should create passwords with [INSERT]{qref:q.2.8.5.1.C.a} or more characters in the set of all other characters (unspec)

ID: 2.8.5.2

TITLE:

TEXT: What is the **maximum** number of **"all other characters"**?

DISPLAY\_WHEN: 2.8.5.B or 2.8.5.C or 2.8.5.D

()No maximum number is specified.

()Passwords ***must not*** *have more than* [NUMERICAL]{min:1} "other characters".

BNF: Users must not create passwords with [INSERT]{qref:q.2.8.5.2.B.a; math:1} or more characters in the set of all other characters (unspec)

()(Recommendation) Passwords ***should not*** *have more than* [NUMERICAL]{min:1} "other characters".

BNF: Users should not create passwords with [INSERT]{qref:q.2.8.5.2.C.a; math:1} or more characters in the set of all other characters (unspec)

**All/no characters from specific character sets**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses the use of particular character sets for all characters in a password.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.9

#TITLE: **All** characters **must** comefrom specific character sets

TEXT: Does the policy **require** that **all** password characters **must** come from specific character set(s)?

()Yes

()No

ID: 2.9.1

TITLE:

TEXT: The policy **requires** that **all** password characters **must** come from the following set(s) of characters:

NOTE: Check all that apply

# <br> List of selected items: [INSERT]{qref:q.2.9.1; q.2.9.1.A:upper-case letters; q.2.9.1.B:lower-case letters; q.2.9.1.C:letters (unspec); q.2.9.1.D:numbers; q.2.9.1.E: punctuation; q.2.9.1.G: special characters (unspec); q.2.9.1.H:control or non-printable characters (unspec); q.2.9.1.J:all other characters (unspec)}

DISPLAY\_WHEN: 2.9.A

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those not used in the previous password

BNF: Users must create passwords with all characters in the set of [INSERT]{qref:q.2.9.1; q.2.9.1.A:upper-case letters; q.2.9.1.B:lower-case letters; q.2.9.1.C:letters (unspec); q.2.9.1.D:numbers; q.2.9.1.E: punctuation; q.2.9.1.G: special characters (unspec); q.2.9.1.H:control or non-printable characters (unspec); q.2.9.1.J:all other characters (unspec)}

ID: 2.10

#TITLE: **All** characters **should** come from specific character sets

TEXT: Does the policy **recommend** that **all** password characters **should** come from specific character set(s)?

()Yes

()No

ID: 2.10.1

TITLE:

TEXT: The policy **recommends** that **all** password characters **should** come from the following character set(s):

NOTE: Check all that apply

#<br>Mods: [INSERT]{qref:q.2.10.1; q.2.10.1.A:upper-case letters; q.2.10.1.B:lower-case letters; q.2.10.1.C:letters (unspec); q.2.10.1.D:numbers; q.2.10.1.E: punctuation; q.2.10.1.G: special characters (unspec); q.2.10.1.H:control or non-printable characters (unspec); q.2.10.1.J:all other characters (unspec)}

DISPLAY\_WHEN: 2.10.A

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those not used in the previous password

BNF: Users should create passwords with all characters in the set of [INSERT]{qref:q.2.10.1; q.2.10.1.A:upper-case letters; q.2.10.1.B:lower-case letters; q.2.10.1.C:letters (unspec); q.2.10.1.D:numbers; q.2.10.1.E: punctuation; q.2.10.1.G: special characters (unspec); q.2.10.1.H:control or non-printable characters (unspec); q.2.10.1.J:all other characters (unspec)}

ID: 2.11

#TITLE: Passwordcharacters **must not** come from specific character sets

TEXT: Does the policy **prohibit** using **only** characters from specific character set(s)?

()Yes

()No

ID: 2.11.1

TITLE:

TEXT: Passwords **must not** contain **only** characters from the following set(s):

NOTE: Check all that apply

# <br> mods: [INSERT]{qref:q.2.11.1; q.2.11.1.A:upper-case letters; q.2.11.1.B:lower-case letters; q.2.11.1.C:letters (unspec); q.2.11.1.D:numbers; q.2.11.1.E: punctuation; q.2.11.1.G: special characters (unspec); q.2.11.1.H:control or non-printable characters (unspec); q.2.11.1.J:all other characters (unspec)}

DISPLAY\_WHEN: 2.11.A

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those used in the previous password

BNF: Users must not create passwords with all characters in the set of [INSERT]{qref:q.2.11.1; q.2.11.1.A:upper-case letters; q.2.11.1.B:lower-case letters; q.2.11.1.C:letters (unspec); q.2.11.1.D:numbers; q.2.11.1.E: punctuation; q.2.11.1.G: special characters (unspec); q.2.11.1.H:control or non-printable characters (unspec); q.2.11.1.J:all other characters (unspec)}

ID: 2.12

#TITLE: Passwordcharacters **should not** come only from specific character sets

TEXT: Does the policy **recommend against** using **only** characters from specific character set(s)?

()Yes.

()No.

ID: 2.12.1

TITLE:

TEXT: Passwords **should not** contain **only** characters from the following set(s):

NOTE: Check all that apply

# <br> Mods: [INSERT]{qref:q.2.12.1; q.2.12.1.A:upper-case letters; q.2.12.1.B:lower-case letters; q.2.12.1.C:letters (unspec); q.2.12.1.D:numbers; q.2.12.1.E: punctuation; q.2.12.1.G: special characters (unspec); q.2.12.1.H:control or non-printable characters (unspec); q.2.12.1.J:all other characters (unspec)}

DISPLAY\_WHEN: 2.12.A

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those used in the previous password

BNF: Users should not create passwords with all characters in the set of [INSERT]{qref:q.2.12.1; q.2.12.1.A:upper-case letters; q.2.12.1.B:lower-case letters; q.2.12.1.C:letters (unspec); q.2.12.1.D:numbers; q.2.12.1.E: punctuation; q.2.12.1.G: special characters (unspec); q.2.12.1.H:control or non-printable characters (unspec); q.2.12.1.J:all other characters (unspec)}

**Minimum number of character sets**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using characters from at least a certain group of character sets.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.13

TITLE:

Passwords may need to be constructed from characters of "at least X" different character types. For example, “Passwords must include characters from at least 3 of the following character sets: upper case, lower case, numbers and special characters.”

TEXT: Does the policy state that "at least" some number of different character types are to be used?

()Yes

()No

ID: 2.13.1

DISPLAY\_WHEN: 2.13.A

NOTE: Select the appropriate response(s), enter a number:

()Passwords **must** include characters from at least [NUMERICAL]{min:1} of the character sets identified below.

()Passwords **should** include characters from at least [NUMERICAL]{min:1} of the character sets identified below.

ID: 2.13.1.1

DISPLAY\_WHEN: 2.13.A

DISPLAY\_WHERE: 2.13.1.A

NOTE: Check all that apply

# <br> Mods: with characters from [INSERT]{qref:q.2.13.1.A.a} of these [INSERT]{qref:q.2.13.1.1; count:true} sets: [INSERT]{qref:q.2.13.1.1; q.2.13.1.1.A:upper-case letters; q.2.13.1.1.B:lower-case letters; q.2.13.1.1.C:letters (unspec); q.2.13.1.1.D:numbers; q.2.13.1.1.E: punctuation; q.2.13.1.1.G: special characters (unspec); q.2.13.1.1.H:control or non-printable characters (unspec); q.2.13.1.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those not used in the previous password

BNF: Users must create passwords in the set of strings with characters from [INSERT]{qref:q.2.13.1.A.a} of these [INSERT]{qref:q.2.13.1.1; count:true} sets: [INSERT]{qref:q.2.13.1.1; q.2.13.1.1.A:upper-case letters; q.2.13.1.1.B:lower-case letters; q.2.13.1.1.C:letters (unspec); q.2.13.1.1.D:numbers; q.2.13.1.1.E: punctuation; q.2.13.1.1.G: special characters (unspec); q.2.13.1.1.H:control or non-printable characters (unspec); q.2.13.1.1.J:all other characters (unspec)}

ID: 2.13.1.2

DISPLAY\_WHEN: 2.13.A

DISPLAY\_WHERE: 2.13.1.B

NOTE: Check all that apply <br> Mod: with characters from [INSERT]{qref:q.2.13.1.B.a} of these [INSERT]{qref:q.2.13.1.2; count:true} sets: [INSERT]{qref:q.2.13.1.2; q.2.13.1.2.A:upper-case letters; q.2.13.1.2.B:lower-case letters; q.2.13.1.2.C:letters (unspec); q.2.13.1.2.D:numbers; q.2.13.1.2.E: punctuation; q.2.13.1.2.G: special characters (unspec); q.2.13.1.2.H:control or non-printable characters (unspec); q.2.13.1.2.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those not used in the previous password

BNF: Users should create passwords in the set of strings with characters from [INSERT]{qref:q.2.13.1.B.a} of these [INSERT]{qref:q.2.13.1.2; count:true} sets: [INSERT]{qref:q.2.13.1.2; q.2.13.1.2.A:upper-case letters; q.2.13.1.2.B:lower-case letters; q.2.13.1.2.C:letters (unspec); q.2.13.1.2.D:numbers; q.2.13.1.2.E: punctuation; q.2.13.1.2.G: special characters (unspec); q.2.13.1.2.H:control or non-printable characters (unspec); q.2.13.1.2.J:all other characters (unspec)}

**Previous Passwords**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using - or not using - characters from the previous password.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.14

TITLE: Characters from previous passwords

TEXT: Does the policy make a statement regarding use of characters from the previous password?

()Yes

()No

ID: 2.14.1

TITLE:

TEXT: Characters **used** in the previous password

NOTE: Select the appropriate response, enter a number, if applicable

DISPLAY\_WHEN: 2.14.A

DISPLAY\_WHERE:

()Passwords **must not** include **any** characters from the previous password.

BNF: Users must not create passwords with a character in the set of those used in the previous password

()Passwords **must not** include [NUMERICAL]{min:1} or more characters from the previous password.

BNF: Users must not create passwords with [INSERT]{qref:q.2.14.1.B.a} or more characters in the set of those used in the previous password

()Passwords **should not** include **any** characters from the previous password.

BNF: Users should not create passwords with a character in the set of those used in the previous password

()Passwords **should not** include [NUMERICAL]{min:1} or more characters from the previous password.

BNF: Users should not create passwords with [INSERT]{qref:q.2.14.1.D.a} or more characters in the set of those used in the previous password

()The policy does not prohibit or recommend against using characters from the previous password.

ID: 2.14.2

TITLE:

TEXT: Characters **not used** in the previous password

NOTE: Select the appropriate response, enter a number, if applicable

DISPLAY\_WHEN: 2.14.A

DISPLAY\_WHERE:

()Passwords **must** include **only** characters **not used** in the previous password.

BNF: Users must create passwords with all characters in the set of those not used in the previous password

()Passwords **must** include [NUMERICAL]{min:1} or more characters from the previous password.

BNF: Users must create passwords with [INSERT]{qref:q.2.14.2.B.a} or more characters in the set of those not used in the previous password

()Passwords **should** include **only** characters from the previous password.

BNF: Users should create passwords with all characters in the set of those not used in the previous password

()Passwords **should** include [NUMERICAL]{min:1} or more characters from the previous password.

BNF: Users should create passwords with [INSERT]{qref:q.2.14.2.D.a} or more characters in the set of those not used in the previous password

()The policy does not require or recommend using characters not used in the previous password.

## Password Character Positions

<![CDATA[ The policy may address the use of specific characters</p><ul><li>as the **first or last character** of a password;</li><li>in the **middle** of a password (any position between the first and last characters); or</li><li>**near the beginning** of a password (i.e., within the first N characters).</li></ul><p>The following questions will ask about each of these. ]]>

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

()I can’t tell if this policy addresses using particular types of characters in relative locations within a password.

()The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

**First or Last Character**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using particular types of characters in the first or last position of a password.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.16

TITLE: First or Last Character

TEXT: Does the policy address what character types can be used in the first or last character position of a password?

NOTE: For example: “Passwords cannot begin or end with punctuation.”

()Yes

()No

ID: 2.16.1

TITLE:

TEXT: Does the policy **prohibit** the use of any character types as **either the first or last character** of a password?

DISPLAY\_WHEN: 2.16.A

()Yes

()No

ID: 2.16.1.1

DISPLAY\_WHEN: 2.16.1.A

NOTE: Check all of the character types that are prohibited as either the first or last character of a password.

#<br> Mods: with a first or last character in the set of [INSERT]{qref:q.2.16.1.1; q.2.16.1.1.A:upper-case letters; q.2.16.1.1.B:lower-case letters; q.2.16.1.1.C:letters (unspec); q.2.16.1.1.D:numbers; q.2.16.1.1.E: punctuation; q.2.16.1.1.G: special characters (unspec); q.2.16.1.1.H:control or non-printable characters (unspec); q.2.16.1.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those used in the previous password

BNF: Users must not create passwords with a first or last character in the set of [INSERT]{qref:q.2.16.1.1; q.2.16.1.1.A:upper-case letters; q.2.16.1.1.B:lower-case letters; q.2.16.1.1.C:letters (unspec); q.2.16.1.1.D:numbers; q.2.16.1.1.E: punctuation; q.2.16.1.1.G: special characters (unspec); q.2.16.1.1.H:control or non-printable characters (unspec); q.2.16.1.1.J:all other characters (unspec)}

ID: 2.16.2

TITLE:

TEXT: Does the policy **recommend against** the use of any character types as **either the first or last character** of a password?

DISPLAY\_WHEN: 2.16.A

()Yes

()No

ID: 2.16.2.1

DISPLAY\_WHEN: 2.16.2.A

NOTE: Check all of the character types that are recommended against as either the first or last character of a password.

#<br> Mods: with a first or last character in the set of [INSERT]{qref:q.2.16.2.1; q.2.16.2.1.A:upper-case letters; q.2.16.2.1.B:lower-case letters; q.2.16.2.1.C:letters (unspec); q.2.16.2.1.D:numbers; q.2.16.2.1.E: punctuation; q.2.16.2.1.G: special characters (unspec); q.2.16.2.1.H:control or non-printable characters (unspec); q.2.16.2.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those used in the previous password

BNF: Users should not create passwords with a first or last character in the set of [INSERT]{qref:q.2.16.2.1; q.2.16.2.1.A:upper-case letters; q.2.16.2.1.B:lower-case letters; q.2.16.2.1.C:letters (unspec); q.2.16.2.1.D:numbers; q.2.16.2.1.E: punctuation; q.2.16.2.1.G: special characters (unspec); q.2.16.2.1.H:control or non-printable characters (unspec); q.2.16.2.1.J:all other characters (unspec)}

ID: 2.16.3

TITLE:

TEXT: Does the policy **require** the use of any character types as **either the first or last character** of a password?

DISPLAY\_WHEN: 2.16.A

()Yes

()No

ID: 2.16.3.1

DISPLAY\_WHEN: 2.16.3.A

NOTE: Check all of the character types that are required as either the first or last character of a password.

#<br> Mods: with a first or last character in the set of [INSERT]{qref:q.2.16.3.1; q.2.16.3.1.A:upper-case letters; q.2.16.3.1.B:lower-case letters; q.2.16.3.1.C:letters (unspec); q.2.16.3.1.D:numbers; q.2.16.3.1.E: punctuation; q.2.16.3.1.G: special characters (unspec); q.2.16.3.1.H:control or non-printable characters (unspec); q.2.16.3.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those not used in the previous password

BNF: Users must create passwords with a first or last character in the set of [INSERT]{qref:q.2.16.3.1; q.2.16.3.1.A:upper-case letters; q.2.16.3.1.B:lower-case letters; q.2.16.3.1.C:letters (unspec); q.2.16.3.1.D:numbers; q.2.16.3.1.E: punctuation; q.2.16.3.1.G: special characters (unspec); q.2.16.3.1.H:control or non-printable characters (unspec); q.2.16.3.1.J:all other characters (unspec)}

ID: 2.16.4

TITLE:

TEXT: Does the policy **recommend** the use of any character types as **either the first or last character** of a password?

DISPLAY\_WHEN: 2.16.A

()Yes

()No

ID: 2.16.4.1

DISPLAY\_WHEN: 2.16.4.A

NOTE: Check all of the character types that are recommended as either the first or last character of a password.

# <br> Mods: with a first or last character in the set of [INSERT]{qref:q.2.16.4.1; q.2.16.4.1.A:upper-case letters; q.2.16.4.1.B:lower-case letters; q.2.16.4.1.C:letters (unspec); q.2.16.4.1.D:numbers; q.2.16.4.1.E: punctuation; q.2.16.4.1.G: special characters (unspec); q.2.16.4.1.H:control or non-printable characters (unspec); q.2.16.4.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those not used in the previous password

BNF: Users should create passwords with a first or last character in the set of [INSERT]{qref:q.2.16.4.1; q.2.16.4.1.A:upper-case letters; q.2.16.4.1.B:lower-case letters; q.2.16.4.1.C:letters (unspec); q.2.16.4.1.D:numbers; q.2.16.4.1.E: punctuation; q.2.16.4.1.G: special characters (unspec); q.2.16.4.1.H:control or non-printable characters (unspec); q.2.16.4.1.J:all other characters (unspec)}

**Internal Characters**

COMMENT: I am having problems with this topic:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using particular types of characters in the middle (i.e., not the first or last position) of a password.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.17

TITLE: Internal Characters

TEXT: Does the policy address what character types can be used **in the middle** (i.e., not the first or last character) of a password?

NOTE: For example: “Passwords must include special characters, but cannot begin or end with them.”

()Yes

()No

ID: 2.17.1

TITLE:

TEXT: Does the policy **prohibit** the use of any character types as **internal characters** of a password?

DISPLAY\_WHEN: 2.17.A

()Yes

()No

ID: 2.17.1.1

DISPLAY\_WHEN: 2.17.1.A

NOTE: Check all of the character types that are prohibited as internal characters of a password.

#<br> Mods: with an internal character in the set of [INSERT]{qref:q.2.17.1.1; q.2.17.1.1.A:upper-case letters; q.2.17.1.1.B:lower-case letters; q.2.17.1.1.C:letters (unspec); q.2.17.1.1.D:numbers; q.2.17.1.1.E: punctuation; q.2.17.1.1.G: special characters (unspec); q.2.17.1.1.H:control or non-printable characters (unspec); q.2.17.1.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those used in the previous password

BNF: Users must not create passwords with an internal character in the set of [INSERT]{qref:q.2.17.1.1; q.2.17.1.1.A:upper-case letters; q.2.17.1.1.B:lower-case letters; q.2.17.1.1.C:letters (unspec); q.2.17.1.1.D:numbers; q.2.17.1.1.E: punctuation; q.2.17.1.1.G: special characters (unspec); q.2.17.1.1.H:control or non-printable characters (unspec); q.2.17.1.1.J:all other characters (unspec)}

ID: 2.17.2

TITLE:

TEXT: Does the policy **recommended against** the use of any character types as **internal characters** of a password?

DISPLAY\_WHEN: 2.17.A

()Yes

()No

ID: 2.17.2.1

DISPLAY\_WHEN: 2.17.2.A

NOTE: Check all of the character types that are recommended against as internal characters of a password.

# <br> Mods: with an internal character in the set of [INSERT]{qref:q.2.17.2.1; q.2.17.2.1.A:upper-case letters; q.2.17.2.1.B:lower-case letters; q.2.17.2.1.C:letters (unspec); q.2.17.2.1.D:numbers; q.2.17.2.1.E: punctuation; q.2.17.2.1.G: special characters (unspec); q.2.17.2.1.H:control or non-printable characters (unspec); q.2.17.2.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those used in the previous password

BNF: Users should not create passwords with an internal character in the set of [INSERT]{qref:q.2.17.2.1; q.2.17.2.1.A:upper-case letters; q.2.17.2.1.B:lower-case letters; q.2.17.2.1.C:letters (unspec); q.2.17.2.1.D:numbers; q.2.17.2.1.E: punctuation; q.2.17.2.1.G: special characters (unspec); q.2.17.2.1.H:control or non-printable characters (unspec); q.2.17.2.1.J:all other characters (unspec)}

ID: 2.17.3

TITLE:

TEXT: Does the policy **require** the use of any character types as **internal characters** of a password?

DISPLAY\_WHEN: 2.17.A

()Yes

()No

ID: 2.17.3.1

DISPLAY\_WHEN: 2.17.3.A

NOTE: Check all of the character types that are required as internal characters of a password.

#<br> Mods: with an internal character in the set of [INSERT]{qref:q.2.17.3.1; q.2.17.3.1.A:upper-case letters; q.2.17.3.1.B:lower-case letters; q.2.17.3.1.C:letters (unspec); q.2.17.3.1.D:numbers; q.2.17.3.1.E: punctuation; q.2.17.3.1.G: special characters (unspec); q.2.17.3.1.H:control or non-printable characters (unspec); q.2.17.3.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those not used in the previous password

BNF: Users must create passwords with an internal character in the set of [INSERT]{qref:q.2.17.3.1; q.2.17.3.1.A:upper-case letters; q.2.17.3.1.B:lower-case letters; q.2.17.3.1.C:letters (unspec); q.2.17.3.1.D:numbers; q.2.17.3.1.E: punctuation; q.2.17.3.1.G: special characters (unspec); q.2.17.3.1.H:control or non-printable characters (unspec); q.2.17.3.1.J:all other characters (unspec)}

ID: 2.17.4

TITLE:

TEXT: Does the policy **recommend** the use of any character types as **internal characters** of a password?

DISPLAY\_WHEN: 2.17.A

()Yes

()No

ID: 2.17.4.1

DISPLAY\_WHEN: 2.17.4.A

NOTE: Check all of the character types that are recommended as internal characters of a password.

#<br> Mods: with an internal character in the set of [INSERT]{qref:q.2.17.4.1; q.2.17.4.1.A:upper-case letters; q.2.17.4.1.B:lower-case letters; q.2.17.4.1.C:letters (unspec); q.2.17.4.1.D:numbers; q.2.17.4.1.E: punctuation; q.2.17.4.1.G: special characters (unspec); q.2.17.4.1.H:control or non-printable characters (unspec); q.2.17.4.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those not used in the previous password

BNF: Users should create passwords with an internal character in the set of [INSERT]{qref:q.2.17.4.1; q.2.17.4.1.A:upper-case letters; q.2.17.4.1.B:lower-case letters; q.2.17.4.1.C:letters (unspec); q.2.17.4.1.D:numbers; q.2.17.4.1.E: punctuation; q.2.17.4.1.G: special characters (unspec); q.2.17.4.1.H:control or non-printable characters (unspec); q.2.17.4.1.J:all other characters (unspec)}

**Near the Beginning**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using particular types of characters near the beginning of a password.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.18

#TITLE: Near the Beginning of a Password

TEXT: Does the policy address what character types can be used **near the beginning** of a password?

NOTE: Example: “Passwords must include a number within the first 5 characters.” <br> If a statement specifically refers to the very first character of a password, respond using the **“First or Last Character”** topic.

()Yes

()No

ID: 2.18.1

TITLE:

TEXT: Does the policy **prohibit** the use of any character types **near the beginning** of a password?

DISPLAY\_WHEN: 2.18.A

()Yes

()No

ID: 2.18.1.2

DISPLAY\_WHEN: 2.18.1.A

The number of characters near the beginning of a password to which this prohibition applies: [NUMERICAL]{min:2}

ID: 2.18.1.1

DISPLAY\_WHEN: 2.18.1.A

NOTE: Check all of the character types that are prohibited near the beginning of a password.

#<br> Mods: with a character in the first [INSERT]{qref: q.2.18.1.2.a} characters in the set of [INSERT]{qref:q.2.18.1.1; q.2.18.1.1.A:upper-case letters; q.2.18.1.1.B:lower-case letters; q.2.18.1.1.C:letters (unspec); q.2.18.1.1.D:numbers; q.2.18.1.1.E: punctuation; q.2.18.1.1.G: special characters (unspec); q.2.18.1.1.H:control or non-printable characters (unspec); q.2.18.1.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those used in the previous password

BNF: Users must not create passwords with a character in the first [INSERT]{qref: q.2.18.1.2.a} characters in the set of [INSERT]{qref:q.2.18.1.1; q.2.18.1.1.A:upper-case letters; q.2.18.1.1.B:lower-case letters; q.2.18.1.1.C:letters (unspec); q.2.18.1.1.D:numbers; q.2.18.1.1.E: punctuation; q.2.18.1.1.G: special characters (unspec); q.2.18.1.1.H:control or non-printable characters (unspec); q.2.18.1.1.J:all other characters (unspec)}

ID: 2.18.2

TITLE:

TEXT: Does the policy **recommended against** the use of any character types **near the beginning** of a password?

DISPLAY\_WHEN: 2.18.A

()Yes

()No

ID: 2.18.2.2

DISPLAY\_WHEN: 2.18.2.A

The number of characters near the beginning of a password to which this recommendation applies: [NUMERICAL]{min:2}

ID: 2.18.2.1

DISPLAY\_WHEN: 2.18.2.A

NOTE: Check all of the character types that are recommended against near the beginning of a password.

#<br> Mods: with a character in the first [INSERT]{qref: q.2.18.2.2.a} characters in the set of [INSERT]{qref:q.2.18.2.1; q.2.18.2.1.A:upper-case letters; q.2.18.2.1.B:lower-case letters; q.2.18.2.1.C:letters (unspec); q.2.18.2.1.D:numbers; q.2.18.2.1.E: punctuation; q.2.18.2.1.G: special characters (unspec); q.2.18.2.1.H:control or non-printable characters (unspec); q.2.18.2.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those used in the previous password

BNF: Users should not create passwords with a character in the first [INSERT]{qref: q.2.18.2.2.a} characters in the set of [INSERT]{qref:q.2.18.2.1; q.2.18.2.1.A:upper-case letters; q.2.18.2.1.B:lower-case letters; q.2.18.2.1.C:letters (unspec); q.2.18.2.1.D:numbers; q.2.18.2.1.E: punctuation; q.2.18.2.1.G: special characters (unspec); q.2.18.2.1.H:control or non-printable characters (unspec); q.2.18.2.1.J:all other characters (unspec)}

ID: 2.18.3

TITLE:

TEXT: Does the policy **require** the use of any character types **near the beginning** of a password?

DISPLAY\_WHEN: 2.18.A

()Yes

()No

ID: 2.18.3.2

DISPLAY\_WHEN: 2.18.3.A

The number of characters near the beginning of a password to which this requirement applies: [NUMERICAL]{min:2}

ID: 2.18.3.1

DISPLAY\_WHEN: 2.18.3.A

NOTE: Check all of the character types that are required near the beginning of a password.

#<br> Mods: with a character in the first [INSERT]{qref: q.2.18.3.2.a} characters in the set of [INSERT]{qref:q.2.18.3.1; q.2.18.3.1.A:upper-case letters; q.2.18.3.1.B:lower-case letters; q.2.18.3.1.C:letters (unspec); q.2.18.3.1.D:numbers; q.2.18.3.1.E: punctuation; q.2.18.3.1.G: special characters (unspec); q.2.18.3.1.H:control or non-printable characters (unspec); q.2.18.3.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those not used in the previous password

BNF: Users must create passwords with a character in the first [INSERT]{qref: q.2.18.3.2.a} characters in the set of [INSERT]{qref:q.2.18.3.1; q.2.18.3.1.A:upper-case letters; q.2.18.3.1.B:lower-case letters; q.2.18.3.1.C:letters (unspec); q.2.18.3.1.D:numbers; q.2.18.3.1.E: punctuation; q.2.18.3.1.G: special characters (unspec); q.2.18.3.1.H:control or non-printable characters (unspec); q.2.18.3.1.J:all other characters (unspec)}

ID: 2.18.4

TITLE:

TEXT: Does the policy **recommend** the use of any character types **near the beginning** of a password?

DISPLAY\_WHEN: 2.18.A

()Yes

()No

ID: 2.18.4.2

DISPLAY\_WHEN: 2.18.4.A

The number of characters near the beginning of a password to which this recommendation applies: [NUMERICAL]{min:2}

ID: 2.18.4.1

DISPLAY\_WHEN: 2.18.4.A

NOTE: Check all of the character types that are recommended near the beginning of a password.

#<br> Mods: with a character in the first [INSERT]{qref: q.2.18.4.2.a} characters in the set of [INSERT]{qref:q.2.18.4.1; q.2.18.4.1.A:upper-case letters; q.2.18.4.1.B:lower-case letters; q.2.18.4.1.C:letters (unspec); q.2.18.4.1.D:numbers; q.2.18.4.1.E: punctuation; q.2.18.4.1.G: special characters (unspec); q.2.18.4.1.H:control or non-printable characters (unspec); q.2.18.4.1.J:all other characters (unspec)}

[]upper case letters

[]lower case letters

[]"letters" (case is not specified)

[]numbers

[]"punctuation"

[]these special characters: [TEXTBOX]

[]special characters (not specified)

[]"control characters" (e.g., “Ctrl+C”) or "non-printable characters"

[]whitespace

[]"all other characters"

[]those not used in the previous password

BNF: Users should create passwords with a character in the first [INSERT]{qref: q.2.18.4.2.a} characters in the set of [INSERT]{qref:q.2.18.4.1; q.2.18.4.1.A:upper-case letters; q.2.18.4.1.B:lower-case letters; q.2.18.4.1.C:letters (unspec); q.2.18.4.1.D:numbers; q.2.18.4.1.E: punctuation; q.2.18.4.1.G: special characters (unspec); q.2.18.4.1.H:control or non-printable characters (unspec); q.2.18.4.1.J:all other characters (unspec)}

## Password Character Combinations, Sequences, and Patterns

COMMENT: I am having problems with this topic:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

()I can’t tell if this policy addresses the use of character combinations, sequences and patterns.

()The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

**Repeating, Recurring, Sequential and Unique Character Use**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses the use of repeating, multiply occurring, sequential or unique characters.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.19

#TITLE:**Repeating Characters**

TEXT:Repeating Characters

NOTE: Select the appropriate response, enter a number:

()A password **must not** have a single character that’s **repeated** [NUMERICAL]{min:1} **times in a row**.

BNF: Users must not create passwords in the set of strings with a character repeated [INSERT]{qref:q.2.19.A.a} or more times consecutively

()A password **should not** have a single character that’s **repeated** [NUMERICAL]{min:1} **times in a row**.

BNF: Users should not create passwords in the set of strings with a character repeated [INSERT]{qref:q.2.19.B.a} or more times consecutively

()Repeating (consecutive) characters are not mentioned in the policy.

ID: 2.20

#TITLE:A Character Occurring Multiple Times

TEXT:A Character Occurring Multiple Times

NOTE: Select the appropriate response, enter a number:

()A password **must not** have a single character that **occurs** [NUMERICAL]{min:1} **times**.

BNF: Users must not create passwords in the set of strings with a character repeated [INSERT]{qref:q.2.20.A.a} or more times

()A password **should not** have a single character that **occurs** [NUMERICAL]{min:1} **times**.

BNF: Users should not create passwords in the set of strings with a character repeated [INSERT]{qref:q.2.20.B.a} or more times

()Using a single character multiple times is not mentioned in the policy.

ID: 2.21

#TITLE: ***A Sequence of Characters***

TEXT: A Sequence of Characters

NOTE: Examples of sequences are *12345* and *abcde*. <br> Select the appropriate response, and enter a number

()A password **must not** include a **sequence of** [NUMERICAL]{min:1} **or more characters**.

BNF: Users must not create passwords in the set of strings with a run of [INSERT]{qref:q.2.21.A.a} or more consecutive characters in sequence

()A password **should not** include a **sequence of** [NUMERICAL]{min:1} **or more characters**.

BNF: Users should not create passwords in the set of strings with a run of [INSERT]{qref:q.2.21.B.a} or more consecutive characters in sequence

()Using character sequences is mentioned, but no sequence length is specified.

()Using character sequences is not mentioned in the policy.

ID: 2.22

#TITLE: ***Unique Characters***

TEXT:Unique Characters

NOTE: “Unique” characters appear only once in a password. <br> Select the appropriate response(s), and enter a number

()A password **must** include [NUMERICAL]{min:1} **or more unique characters**.

BNF: Users must create passwords in the set of strings with at least [INSERT]{qref:q.2.22.A.a} unique characters

()A password **should** include [NUMERICAL]{min:1} **or more unique characters**.

BNF: Users should create passwords in the set of strings with at least [INSERT]{qref:q.2.22.B.a} unique characters

()Using unique characters is not mentioned in the policy.

**Patterns of Letters or Numbers**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using letter or number patterns.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.23

#TITLE: ***Letter or Number Patterns***

TEXT: **Letter or Number Patterns**

NOTE: Examples of letter or number patterns are *QWERTY* and *44332211*. <br> Select the appropriate response

()A password **must not** include letter or number patterns.

()A password **should not** include letter or number patterns.

()Letter or number patterns are not mentioned in the policy.

ID: 2.23.1

TITLE:

TEXT:The policy prohibits or recommends against using a letter or number pattern:

NOTE:

DISPLAY\_WHEN: 2.23.A or 2.23.B

DISPLAY\_WHERE:

()as the **entire password**.

BNF{2.23.A}: Users must not create passwords in the set of strings with word or number patterns (unspec)

BNF{2.23.B}: Users should not create passwords in the set of strings with word or number patterns (unspec)

()as **part of the password**.

BNF{2.23.A}: Users must not create passwords with a substring in the set of strings with word or number patterns (unspec)

BNF{2.23.B}: Users should not create passwords with a substring in the set of strings with word or number patterns (unspec)

()but does not distinguish between its use as either the entire password or part of the password.

## Passwords Associated with a Person, Place or Date

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

()I can’t tell if this policy addresses using names, dates, or locations in a password.

()The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

#break into more pages

**Person, Place or Date**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using names, dates, or locations in a password.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.24

#TITLE: ***User’s Account ID***

TEXT:**The user’s account ID** (associated with the password):

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords equal to the user ID

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring equal to the user ID

()**should not** be used as the password.

BNF: Users should not create passwords equal to the user ID

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring equal to the user ID

()is not addressed in the policy.

ID: 2.25

#TITLE: ***User’s Personal Name***

TEXT:**The user’s personal name**:

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords equal to their name

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring equal to their name

()**should not** be used as the password.

BNF: Users should not create passwords equal to their name

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring equal to their name

()is not addressed in the policy.

ID: 2.26

#TITLE: ***Personally Identifying Information (PII)***

TEXT: **Personally identifying information (PII)** (e.g., employee number, Social Security Number, etc.):

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of personally identifying information

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of personally identifying information

()**should not** be used as the password.

BNF: Users should not create passwords in the set of personally identifying information

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of personally identifying information

()is not addressed in the policy.

ID: 2.27

#TITLE: ***Addresses or Other Locations***

TEXT: **Addresses or other locations** (e.g., *123MainStreet*):

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of addresses or other locations

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of addresses or other locations

()**should not** be used as the password.

BNF: Users should not create passwords in the set of addresses or other locations

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of addresses or other locations

()are not addressed in the policy.

ID: 2.28

#TITLE: ***Birthdays or Other Dates***

TEXT: **Birthdays or other dates**:

NOTE: Select the appropriate response(s)

()**must not** be used as the password.

BNF: Users must not create passwords in the set of birthdays or other dates

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of birthdays or other dates

()**should not** be used as the password.

BNF: Users should not create passwords in the set of birthdays or other dates

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of birthdays or other dates

()are not addressed in the policy.

ID: 2.29

#TITLE: ***Proper Nouns***

TEXT: **Proper nouns** (e.g., Zimbabwe, Congress):

NOTE: Select the appropriate response(s)

()**must not** be used as the password.

BNF: Users must not create passwords in the set of proper nouns

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of proper nouns

()**should not** be used as the password.

BNF: Users should not create passwords in the set of proper nouns

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of proper nouns

()are not addressed in the policy.

## Passwords Using “Dictionary Words”

The policy may make statements about using words likely to be found in a dictionary (i.e., "dictionary words"). The following questions ask about those statements, including whether the conditions apply to *an entire password* or *a part of the password*.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

()I can’t tell if this policy addresses using dictionary words or any variants of dictionary words.

()The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

**Dictionary Words and Variants**

The policy may make statements about using words likely to be found in a dictionary (i.e., "dictionary words"). The following questions ask about those statements, including whether the conditions apply to *an entire password* or *a part of the password*.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using dictionary words or any variants of dictionary words.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.30

#TITLE: ***Dictionary Words***

TEXT: **Dictionary words** (e.g., *giraffe*):

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of dictionary words

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of dictionary words

()**should not** be used as the password.

BNF: Users should not create passwords in the set of dictionary words

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of dictionary words

()are not addressed in the policy.

ID: 2.31

#TITLE: ***Dictionary Words Followed by a Number***

TEXT: **Dictionary words followed by a number** (e.g., *giraffe8*):

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of dictionary words followed by a number

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of dictionary words followed by a number

()**should not** be used as the password.

BNF: Users should not create passwords in the set of dictionary words followed by a number

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of dictionary words followed by a number

()are not addressed in the policy.

ID: 2.32

#TITLE: ***Dictionary Words Spelled Backwards***

TEXT: **Dictionary words spelled backwards** (e.g., *effarig*):

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of dictionary words in reverse

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of dictionary words in reverse

()**should not** be used as the password.

BNF: Users should not create passwords in the set of dictionary words in reverse

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of dictionary words in reverse

()are not addressed in the policy.

ID: 2.33

#TITLE: ***Dictionary Words with Numbers Replacing Some Letters***

TEXT: **Dictionary words with numbers replacing some letters** (e.g., *g1raff3*):

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of dictionary words with numbers substituted for letters

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of dictionary words with numbers substituted for letters

()**should not** be used as the password.

BNF: Users should not create passwords in the set of dictionary words with numbers substituted for letters

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of dictionary words with numbers substituted for letters

()are not addressed in the policy.

ID: 2.34

#TITLE: ***Dictionary Words Preceded or Followed by a Number or Special Character***

TEXT: **Dictionary words preceded or followed by a number or special character** (e.g., *#giraffe3*):

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of dictionary words preceded or followed by a number or special character (unspec)

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of dictionary words preceded or followed by a number or special character (unspec)

()**should not** be used as the password.

BNF: Users should not create passwords in the set of dictionary words preceded or followed by a number or special character (unspec)

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of dictionary words preceded or followed by a number or special character (unspec)

()are not addressed in the policy.

## Password Re-Use and Modification

The policy may make statements about re-using or modifying existing passwords. The following questions ask about those statements, including whether the conditions apply to an *entire password* or *a part of the password*.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

()I can’t tell if this policy addresses re-using or modifying existing passwords.

()The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

**Passwords from Other Systems**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using passwords from other systems.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.36

#TITLE: ***Passwords Used on an Outside System***

TEXT: **Passwords used on** **an outside system**:

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of passwords to an outside system

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of passwords to an outside system

()**should not** be used as the password.

BNF: Users should not create passwords in the set of passwords to an outside system

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of passwords to an outside system

()are not addressed in the policy.

ID: 2.37

#TITLE: ***Passwords from Any Other System***

TEXT: **Passwords from any other system**:

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of passwords to any other system

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of passwords to any other system

()**should not** be used as the password.

BNF: Users should not create passwords in the set of passwords to any other system

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of passwords to any other system

()are not addressed in the policy.

**Existing, Default, and Previously-Used Passwords**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses the use of incrementally-modified, default, or recently/frequently-used passwords.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.38

TITLE:Incremental Changes to Existing Passwords

TEXT: Existing passwords that are modified by incremental changes:

NOTE: Example: *C@ddy1 --> C@ddy2* <br> Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of incremental changes to existing passwords (unspec)

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of incremental changes to existing passwords (unspec)

()**should not** be used as the password.

BNF: Users should not create passwords in the set of incremental changes to existing passwords (unspec)

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of incremental changes to existing passwords (unspec)

()are not addressed in the policy.

ID: 2.39

TITLE:Default Passwords

TEXT: The policy may address the use of **default passwords**:

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of vendor default passwords

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of vendor default passwords

()**should not** be used as the password.

BNF: Users should not create passwords in the set of vendor default passwords

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of vendor default passwords

()are not addressed in the policy.

ID: 2.40

TITLE:Recently-used Passwords

TEXT: The policy may address the use of **recently-used passwords**:

NOTE: Example: “any of the last 10 passwords" <br> Select the appropriate response and enter a number as needed

()The last [NUMERICAL]{min:1} passwords **must not** be re-used as the new password.

BNF: Users must not create passwords in the set of their last [INSERT]{qref:q.2.40.A.a} passwords

()The last [NUMERICAL]{min:1} passwords **must not** be re-used as **any part of** the new password.

BNF: Users must not create passwords with a substring in the set of their last [INSERT]{qref:q.2.40.B.a} passwords

()The last [NUMERICAL]{min:1} passwords **should not** be re-used as the new password.

BNF: Users should not create passwords in the set of their last [INSERT]{qref:q.2.40.C.a} passwords

()The last [NUMERICAL]{min:1} passwords **should not** be re-used as **any part of** the new password

BNF: Users should not create passwords with a substring in the set of their last [INSERT]{qref:q.2.40.D.a} passwords

()Recently-used passwords are not addressed in the policy.

ID: 2.41

TITLE:Passwords from Recent Years

TEXT: The policy may address the use of **any password from recent years**:

NOTE: Example: “passwords used during the last 2 years” <br> Select the appropriate response and enter a number as needed)

()Passwords used in the last [NUMERICAL]{min:1} years **must not** be re-used as the new password.

BNF: Users must not create passwords in the set of their last [INSERT]{qref:q.2.41.A.a} years of passwords

()Passwords used in the last [NUMERICAL]{min:1} years **must not** be re-usedas **any part of** the new password.

BNF: Users must not create passwords with a substring in the set of their last [INSERT]{qref:q.2.41.B.a} years of passwords

()Passwords used in the last [NUMERICAL]{min:1} years **should not** be re-used as the new password.

BNF: Users should not create passwords in the set of their last [INSERT]{qref:q.2.41.C.a} years of passwords

()Passwords used in the last [NUMERICAL]{min:1} years **should not** be re-used as **any part of** the new password.

BNF: Users should not create passwords with a substring in the set of their last [INSERT]{qref:q.2.41.D.a} years of passwords

()The use of passwords from recent years is not addressed in the policy.

ID: 2.42

TITLE:Frequently-used Passwords

TEXT: The policy may address the use of **frequently-used passwords**:

NOTE: Example: “passwords used 2 times in the last 3 years” <br> Select the appropriate response and enter a number as needed

()Passwords used [NUMERICAL]{min:1} times in the last [NUMERICAL]{min:1} years **must not** be re-used as the new password.

BNF: Users must not create passwords in the set of those passwords used [INSERT]{qref:q.2.42.A.a} times in the last [INSERT]{qref:q.2.42.A.b} years

()Passwords used [NUMERICAL]{min:1} times in the last [NUMERICAL]{min:1} years **must not** be re-usedas **any part of** the new password.

BNF: Users must not create passwords with a substring in the set of those passwords used [INSERT]{qref:q.2.42.B.a} times in the last [INSERT]{qref:q.2.42.B.b} years

()Passwords used [NUMERICAL]{min:1} times in the last [NUMERICAL]{min:1} years **should not** be re-used as the new password.

BNF: Users should not create passwords in the set of those passwords used [INSERT]{qref:q.2.42.C.a} times in the last [INSERT]{qref:q.2.42.C.b} years

()Passwords used [NUMERICAL]{min:1} times in the last [NUMERICAL]{min:1} years **should not** be re-used as **any part of** the new password.

BNF: Users should not create passwords with a substring in the set of those passwords used [INSERT]{qref:q.2.42.D.a} times in the last [INSERT]{qref:q.2.42.D.b} years

()Frequently-used passwords are not addressed in the policy.

**Variations of Prohibited Passwords**

If the policy prohibits using certain passwords, it might also address using *variants* of those prohibited passwords. The following questions ask about those statements, including whether the conditions apply to an *entire password* or *a part of the password*.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses using variations of otherwise prohibited passwords.

[]There are one or more duplicative policy statements for this topic in the policy. Please describe all that apply. [MEMO]

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

ID: 2.43

TITLE:Concatenating Prohibited Passwords

TEXT: Prohibited passwords concatenated together (e.g., *ZebraGiraffe)*:

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of otherwise forbidden content concatenated

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of otherwise forbidden content concatenated

()**should not** be used as the password.

BNF: Users should not create passwords in the set of otherwise forbidden content concatenated

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of otherwise forbidden content concatenated

()are not addressed in the policy.

ID: 2.44

TITLE:Reversing Prohibited Passwords

TEXT: Prohibited passwords **in reverse** (e.g., *teertSniaM321)*:

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of otherwise forbidden content in reverse

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of otherwise forbidden content in reverse

()**should not** be used as the password.

BNF: Users should not create passwords in the set of otherwise forbidden content in reverse

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of otherwise forbidden content in reverse

()are not addressed in the policy.

ID: 2.45

TITLE:Prohibited Passwords Preceded or Followed by a Number

TEXT: Prohibited passwords that are **preceded or followed by a number** (e.g., *4Zimbabwe)*:

NOTE: Select the appropriate response

()**must not** be used as the password.

BNF: Users must not create passwords in the set of otherwise forbidden content preceded or followed by a number

()**must not** be **any part of** the password.

BNF: Users must not create passwords with a substring in the set of otherwise forbidden content preceded or followed by a number

()**should not** be used as the password.

BNF: Users should not create passwords in the set of otherwise forbidden content preceded or followed by a number

()**should not** be **any part of** the password.

BNF: Users should not create passwords with a substring in the set of otherwise forbidden content preceded or followed by a number

()are not addressed in the policy.

# Storing Passwords

A policy may state where users can or cannot store or record passwords in written or printed form (i.e., hardcopy) or in electronic form (e.g., in a computer file, browser assistance, database, online, etc.).

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

()I can’t tell if this policy addresses storing passwords in writing (printed).

()The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

**Written/Print Storage**

A policy may state where and how users can or cannot store or record passwords in written or printed form (i.e., hardcopy).

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses storing passwords in writing (printed).

[]There is a duplicative statement regarding storing passwords anywherein written/print form.

[]There is a duplicative statement regarding storing written/printed passwords in a location that is NOT secure.

[]There is a duplicative statement regarding storing written/printed passwords in plain text (undisguised).

[]There is a duplicative statement regarding storing written/printed passwords in plain text in a location that is NOT secure.

[]There is a duplicative statement regarding storing written/printed passwords in a secure location.

[]There is another, different statement relevant to written or printed passwords in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 3.1

TITLE: Storing Passwords in Hardcopy Form

TEXT: Does the policy make one or more statements regarding storing passwords in hardcopy form?

()Yes

()No

ID: 3.2

#TITLE: Storing Passwords Anywhere

Select the appropriate response for each topic

TEXT: Storing Passwords **Anywhere**

#NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.1.A

()Passwords **must not** be stored **anywhere** in **written or print form**.

BNF: Users must not store passwords in writing anywhere

()Passwords **should not** be stored **anywhere** in **written or print form**.

BNF: Users should not store passwords in writing anywhere

()Not addressed in the policy.

ID: 3.3

#TITLE: Storing Passwords In an Unsecure Location

TEXT: Storing Passwords **In an Unsecure Location**

#NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.1.A

()**Written/printed** passwords **must not** be stored **in a location that is NOT secure**.

BNF: Users must not store passwords in writing in an unsecure location

()**Written/printed** passwords **should not** be stored **in a location that is NOT secure**.

BNF: Users should not store passwords in writing in an unsecure location

()Not addressed in the policy.

ID: 3.4

#TITLE: Storing Passwords in Plain Text (Undisguised)

TEXT: Storing Passwords **in Plain Text (Undisguised)**

#NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.1.A

()**Written/printed** passwords **must not** be stored **in plain text** (undisguised).

BNF: Users must not store passwords in writing in clear text or weakly encrypted

()**Written/printed** passwords **should not** be stored **in plain text** (undisguised).

BNF: Users should not store passwords in writing in clear text or weakly encrypted

()Not addressed in the policy.

ID: 3.5

#TITLE: Storing Passwords in Plain Text in an Unsecure Location

TEXT: Storing Passwords in **Plain Text in an Unsecure Location**

#NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.1.A

()**Written/printed** passwords **must not** be stored **in plain text** (undisguised) **in a location that is NOT secure**.

BNF: Users must not store passwords in writing in clear text in an unsecure location

()**Written/printed** passwords **should not** be stored **in plain text** (undisguised) **in a location that is NOT secure**.

BNF: Users should not store passwords in writing in clear text in an unsecure location

()Not addressed in the policy.

ID: 3.6

#TITLE: Storing Passwords in a Secure Location

TEXT: Storing Passwords in a **Secure Location**

#NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.1.A

()**Written/printed** passwords **must** be stored **in a secure location**.

BNF: Users must store passwords in writing in a secure location

()**Written/printed** passwords **should** be stored **in a secure location**.

BNF: Users should not store passwords in writing in a secure location

()Not addressed in the policy.

**Digital/Online Storage**

Policies may address the storage of passwords in electronic form (e.g., on computers, on flash drives, in applications, on networks, etc.) for the following locations.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses storing passwords digitally/online.

[]There is a duplicative statement regarding storing passwords anywheredigitally or online.

[]There is a duplicative statement regarding storing digital passwords in a location that is NOT secure.

[]There is a duplicative statement regarding storing digital passwords a location that is secure.

[]There is a duplicative statement regarding storing digital passwords in automated scripts.

[]There is a duplicative statement regarding storing digital passwords in plain text (unencrypted) or weakly encrypted.

[]There is a duplicative statement regarding storing digital passwords in plain text (unencrypted) in an unsecure location.

[]There is a duplicative statement regarding storing passwords on an outside system.

[]There is another, different statement relevant to storing passwords digitally or online in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 3.8

TITLE: Storing Passwords in Electronic Form

TEXT: Does the policy make one or more statements regarding storing passwords in electronic form?

()Yes

()No

ID: 3.9

Select the appropriate response for each topic

TEXT: Storing Passwords **Anywhere**

#NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.8.A

()Passwords **must not** be **digitally** stored **anywhere**.

BNF: Users must not store passwords online anywhere

()Passwords **should not** be **digitally** stored **anywhere**.

BNF: Users should not store passwords online anywhere

()Not addressed in the policy.

ID: 3.10

TEXT: Storing Passwords **In an Unsecure Location**

#NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.8.A

()**Digital** passwords **must not** be stored **in a location that is NOT secure**.

BNF: Users must not store passwords online in an unsecure location

()**Digital** passwords **should not** be stored **in a location that is NOT secure**.

BNF: Users should not store passwords online in an unsecure location

()Not addressed in the policy.

ID: 3.11

TEXT: Storing Passwords **In a Secure Location**

NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.8.A

()**Digital** passwords **must** be stored **in a secure location**.

BNF: Users must store passwords online in a secure location

()**Digital** passwords **should** be stored **in a secure location**.

BNF: Users should store passwords online in a secure location

()Not addressed in the policy.

ID: 3.12

TEXT: Storing in Passwords **in Automated Scripts**

NOTE: Note: Browser password caching is considered a type of automated script

DISPLAY\_WHEN: 3.8.A

()**Digital** passwords **must not** be stored **in automated scripts**.

BNF: Users must not store passwords online in automated scripts

()**Digital** passwords **should not** be stored **in automated scripts**.

BNF: Users should not store passwords online in automated scripts

()Not addressed in the policy.

ID: 3.13

TEXT: Storing Passwords **in Plain Text or Weakly Encrypted**

#NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.8.A

()**Digital** passwords **must not** be stored **in plain text** (unencrypted) **or weakly encrypted.**

BNF: Users must not store passwords online in clear text or weakly encrypted

()**Digital** passwords **should not** be stored **in plain text** (unencrypted) **or weakly encrypted**.

BNF: Users should not store passwords online in clear text or weakly encrypted

()Not addressed in the policy.

ID: 3.14

TEXT: Storing Passwords **in Plain Text (Unencrypted) in an Unsecure Location**

#NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.8.A

()**Digital** passwords **must not** be stored **in plain text** (unencrypted) **in a location that is NOT secure.**

BNF: Users must not store passwords online in clear text in an unsecure location

()**Digital** passwords **should not** be stored **in plain text** (unencrypted) **in a location that is NOT secure**.

BNF: Users should not store passwords online in clear text in an unsecure location

()Not addressed in the policy.

ID: 3.15

TEXT: Storing Passwords **on an Outside System**

#NOTE: Select the appropriate response

DISPLAY\_WHEN: 3.8.A

()**Digital** passwords **must not** be stored **on an outside system**.

BNF: Users must not store passwords online on outside systems

()**Digital** passwords **should not** be stored **on an outside system**.

BNF: Users should not store passwords online on outside systems

()Not addressed in the policy.

# Changing Passwords

The password policy may tell users *when* and *under what conditions* (e.g., time period or an event) they must change their passwords.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

()I can’t tell if this policy addresses changing passwords.

()The choices above don’t let me identify what’s in the policy. (Please explain): [MEMO]

**Timeline for changing passwords**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses changing passwords within a specific period of time.

[]The time requirements given by the policy are not specific. For example, the policy recommends that passwords be changed 'often'. Please describe: [MEMO]

[]There is a duplicative statement regarding changing passwords within # days in the policy.

[]There is a duplicative statement regarding changing passwords immediately in the policy.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 4.1

TITLE:

TEXT: Does the policy identify *when* passwords must be changed?

NOTE:

()Yes

()No

ID: 4.1.1

TITLE: Changing Passwords Within # Days

TEXT: Select the appropriate response regarding Changing Passwords **Within # Days**

#NOTE: Include the number of days if applicable

DISPLAY\_WHEN: 4.1.A

()Passwords **must** be changed within # days.

()Passwords **should** be changed within # days.

()Passwords **should not** be changed within # days.

()Passwords **must not** be changed within # days.

()The policy does not address changing passwords within a particular number of days.

#what about the condition where passwords need to be changed frequently or no statement at all…

ID: 4.1.1.1

DISPLAY\_WHEN: 4.1.1.A

DISPLAY\_WHERE: 4.1.1.A

INDENT: 1

TEXT: The timeframe for this is:

#NOTE: (select the best answer)

()within 1 day.

BNF: Users must change passwords before 1 day

()within [NUMERICAL]{min:2} days.

BNF: Users must change passwords before [INSERT]{qref:q.4.1.1.1.B.a} days

ID: 4.1.1.2

DISPLAY\_WHEN: 4.1.1.B

DISPLAY\_WHERE: 4.1.1.B

#INDENT: 1

TEXT: The timeframe for this is:

#NOTE: (select the best answer)

()within 1 day.

BNF: Users should change passwords before 1 day

()within [NUMERICAL]{min:2} days.

BNF: Users should change passwords before [INSERT]{qref:q.4.1.1.2.B.a} days

ID: 4.1.1.3

DISPLAY\_WHEN: 4.1.1.C

DISPLAY\_WHERE: 4.1.1.C

#INDENT: 1

TEXT: The timeframe for this is:

#NOTE: (select the best answer)

()within 1 day.

BNF: Users should not change passwords before 1 day

()within [NUMERICAL]{min:2} days.

BNF: Users should not change passwords before [INSERT]{qref:q.4.1.1.3.B.a} days

ID: 4.1.1.4

DISPLAY\_WHEN: 4.1.1.D

DISPLAY\_WHERE: 4.1.1.D

#INDENT: 1

TEXT: The timeframe for this is:

#NOTE: (select the best answer)

()within 1 day.

BNF: Users must not change passwords before 1 day

()within [NUMERICAL]{min:2} days.

BNF: Users must not change passwords before [INSERT]{qref:q.4.1.1.4.B.a} days

ID: 4.1.2

TITLE: Changing Passwords Immediately

A policy may make a statement about **changing a password immediately** (e.g., after a temporary password has been issued).

TEXT: Select the appropriate response regarding Changing Passwords **Immediately**

#NOTE: Select the response that best represents the policy statement for this topic.

DISPLAY\_WHEN: 4.1.A

()Passwords **must** be changed **immediately**.

BNF: Users must change passwords immediately

()Passwords **should** be changed **immediately**.

BNF: Users should change passwords immediately

()Passwords **should not** be changed **immediately**.

BNF: Users should not change passwords immediately

()Passwords **must not** be changed **immediately**.

BNF: Users must not change passwords immediately

()The policy does not address changing passwords immediately.

**Conditions for changing passwords**

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses any conditions that trigger a password change.

[]There is a duplicative statement regarding if a password is compromised in the policy.

[]There is a duplicative statement regarding if a password is found to be non-compliant in the policy.

[]There is a duplicative statement regarding if a password is sent unencrypted in the policy.

[]There is a duplicative statement regarding if a password is shared with someone in the policy.

[]There is a duplicative statement regarding if directed by management in the policy.

[]There is another, different statement relevant to this topic in the policy. Please describe. [MEMO]

[]Other, including the choices above don’t let me identify what’s in the policy. Please explain (unless already described). [MEMO]

ID: 4.2.0

TEXT: Does the policy make one or more statements regarding the conditions that trigger a password change?

()Yes

()No

ID: 4.2

#TITLE: When a Password is Compromised

TEXT: If a password **is compromised**,

#NOTE: Select the response that best represents the policy statement for this topic.

DISPLAY\_WHEN: 4.2.0

()the password **must** be changed.

()the password **should** be changed.

()The policy does not mention changing passwords that have been compromised.

ID: 4.2.1

TITLE:

#INDENT: 1

TEXT: This password change must happen:

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.2.A

DISPLAY\_WHERE: 4.2.A

()immediately.

BNF: Users must change passwords immediately if compromised

()within 1 day.

BNF: Users must change passwords before 1 day if compromised

()within [NUMERICAL]{min:2} days.

BNF: Users must change passwords before [INSERT]{qref:q.4.2.1.C.a} days if compromised

ID: 4.2.2

TITLE:

#INDENT: 1

TEXT: This password change should happen:

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.2.B

DISPLAY\_WHERE: 4.2.B

()immediately.

BNF: Users should change passwords immediately if compromised

()within 1 day.

BNF: Users should change passwords before 1 day if compromised

()within [NUMERICAL]{min:2} days.

BNF: Users should change passwords before [INSERT]{qref:q.4.2.2.C.a} days if compromised

ID: 4.3

#TITLE: When a Password is Found to be Non-Compliant with the Policy

TEXT: If a password **is found to be non-compliant**,

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.2.0

()the password **must** be changed.

()the password **should** be changed.

()The policy does not mention changing a password found to be non-compliant.

ID: 4.3.1

TITLE:

#INDENT: 1

TEXT: This password change must happen:

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.3.A

DISPLAY\_WHERE: 4.3.A

()immediately.

BNF: Users must change passwords immediately if found non-compliant

()within 1 day.

BNF: Users must change passwords before 1 day if found non-compliant

()within [NUMERICAL]{min:2} days.

BNF: Users must change passwords before [INSERT]{qref:q.4.3.1.C.a} days if found non-compliant

ID: 4.3.2

TITLE:

#INDENT: 1

TEXT: This password change should happen:

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.3.B

DISPLAY\_WHERE: 4.3.B

()immediately.

BNF: Users should change passwords immediately if found non-compliant

()within 1 day.

BNF: Users should change passwords before 1 day if found non-compliant

()within [NUMERICAL]{min:2} days.

BNF: Users should change passwords before [INSERT]{qref:q.4.3.2.C.a} days if found non-compliant

ID: 4.4

#TITLE: When a Password is Sent Unencrypted

TEXT: If a password **is sent unencrypted**,

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.2.0

()the password **must** be changed.

()the password **should** be changed.

()The policy does not mention changing a password that was sent unencrypted.

ID: 4.4.1

TITLE:

#INDENT: 1

TEXT: This password change must happen:

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.4.A

DISPLAY\_WHERE: 4.4.A

()immediately.

BNF: Users must change passwords immediately if sent unencrypted

()within 1 day.

BNF: Users must change passwords before 1 day if sent unencrypted

()within [NUMERICAL]{min:2} days.

BNF: Users must change passwords before [INSERT]{qref:q.4.4.1.C.a} days if sent unencrypted

ID: 4.4.2

TITLE:

#INDENT: 1

TEXT: This password change should happen:

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.4.B

DISPLAY\_WHERE: 4.4.B

()immediately.

BNF: Users should change passwords immediately if sent unencrypted

()within 1 day.

BNF: Users should change passwords before 1 day if sent unencrypted

()within [NUMERICAL]{min:2} days.

BNF: Users should change passwords before [INSERT]{qref:q.4.4.2.C.a} days if sent unencrypted

ID: 4.5

#TITLE: When a Password is Shared with Someone

TEXT: If a password **is shared with someone**,

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.2.0

()the password **must** be changed.

()the password **should** be changed.

()The policy does not mention changing a password that is shared.

ID: 4.5.1

TITLE:

#INDENT: 1

TEXT: This password change must happen:

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.5.A

DISPLAY\_WHERE: 4.5.A

()immediately.

BNF: Users must change passwords immediately if shared

()within 1 day.

BNF: Users must change passwords before 1 day if shared

()within [NUMERICAL] days.

BNF: Users must change passwords before [INSERT]{qref:q.4.5.1.C.a} days if shared

ID: 4.5.2

TITLE:

#INDENT: 1

TEXT: This password change must/should happen:

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.5.B

DISPLAY\_WHERE: 4.5.B

()immediately.

BNF: Users should change passwords immediately if shared

()within 1 day.

BNF: Users should change passwords before 1 day if shared

()within [NUMERICAL] days.

BNF: Users should change passwords before [INSERT]{qref:q.4.5.2.C.a} days if shared

ID: 4.6

#TITLE: When Directed by Management

TEXT: If **directed by management**,

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.2.0

()users **must** change passwords.

()users **should** change passwords.

()The policy does not mention password changes that are directed by management.

ID: 4.6.1

TITLE:

#INDENT: 1

TEXT: This password change must/should happen:

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.6.A

DISPLAY\_WHERE: 4.6.A

()immediately.

BNF: Users must change passwords immediately if directed by management

()within 1 day.

BNF: Users must change passwords before 1 day if directed by management

()within [NUMERICAL] days.

BNF: Users must change passwords before [INSERT]{qref:q.4.6.1.C.a} days if directed by management

ID: 4.6.2

TITLE:

#INDENT: 1

TEXT: This password change must/should happen:

#NOTE: (select the best answer)

DISPLAY\_WHEN: 4.6.B

DISPLAY\_WHERE: 4.6.B

()immediately.

BNF: Users should change passwords immediately if directed by management

()within 1 day.

BNF: Users should change passwords before 1 day if directed by management

()within [NUMERICAL] days.

BNF: Users should change passwords before [INSERT]{qref:q.4.6.1.C.a} days if directed by management

# Authentication Failure

The policy may describe consequences for entering incorrect passwords during login attempts.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

()I can’t tell if this policy addresses incorrect password entry.

()The choices above don’t let me identify what’s in the policy. Please describe. [MEMO]

**Incorrect Password Entry**

TEXT: The policy may describe consequences for entering incorrect passwords during login attempts.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses incorrect password entry.

[]There is a duplicative statement for this topic in the policy.

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. Please describe. [MEMO]

ID: 5.1

TITLE: Incorrect Password Entry

TEXT: A user will be locked out after entering:

()[NUMERICAL]{min:1} incorrect passwords.

()[NUMERICAL]{min:1} incorrect passwords in [NUMERICAL]{min:1} [| second(s) | minute(s) | hour(s) |]{default:”time unit”}.

()The policy does not specify the number of incorrect passwords that triggers a lockout.

**Lockout Duration and Recovery**

#it is likely 5.1 and 5.2 should go on the same page, need to see how it renders

TEXT: The policy may describe additional consequences for entering incorrect passwords during login attempts.

COMMENT: **If** you have additional observations related to this topic area, please relate them below:

Comments regarding topics on this page should be provided here. Please provide more general comments, feedback or ask questions through the <a href="#" onclick="follow\_link\_with\_next('/general\_comments')">General Comment</a> page.

[]I can’t tell if this policy addresses lockout duration and recovery entry.

[]There is a duplicative statement for this topic in the policy.

[]There are one or more different statements relevant to this topic in the policy. Please describe all that apply. [MEMO]

[]The choices above don’t let me identify what’s in the policy. Please describe. [MEMO]

ID: 5.2

TITLE: Lockout Duration and Recovery

TEXT: When a user is locked out after entering incorrect passwords:

DISPLAY\_WHEN: 5.1.A or 5.1.B

()the lockout lasts for an unspecified period of time.

BNF {5.1.A}: Users must not fail to authenticate [INSERT]{qref:q.5.1.A.a} times to avoid a lockout of unspecified duration

BNF {5.1.B}: Users must not fail to authenticate [INSERT]{qref:q.5.1.B.a} times in a [INSERT]{qref:q.5.1.B.b} [INSERT]{qref:q.5.1.B.c} interval to avoid a lockout of unspecified duration

()the lockout lasts for [NUMERICAL]{min:1} [|second(s) | minute(s) | hour(s)|]{default:”time unit”}.

BNF {5.1.A}: Users must not fail to authenticate [INSERT]{qref:q.5.1.A.a} times to avoid a [INSERT]{qref:q.5.2.B.a} [INSERT]{qref:q.5.2.B.b} lockout

BNF {5.1.B}: Users must not fail to authenticate [INSERT]{qref:q.5.1.B.a} times in a [INSERT]{qref:q.5.1.B.b} [INSERT]{qref:q.5.1.B.c} interval to avoid a [INSERT]{qref:q.5.2.B.a} [INSERT]{qref:q.5.2.B.b} lockout

()an administrator must unlock the account.

BNF {5.1.A}: Users must not fail to authenticate [INSERT]{qref:q.5.1.A.a} times to avoid administrative unlock

BNF {5.1.B}: Users must not fail to authenticate [INSERT]{qref:q.5.1.B.a} times in a [INSERT]{qref:q.5.1.B.b} [INSERT]{qref:q.5.1.B.c} interval to avoid administrative unlock

()*either* an administrator must unlock the account *OR* the lockout lasts for [NUMERICAL]{min:1} [|second(s) | minute(s) | hour(s)|]{default:”time unit”}.

BNF {5.1.A}: Users must not fail to authenticate [INSERT]{qref:q.5.1.A.a} times to avoid administrative unlock or a [INSERT]{qref:q.5.2.D.a} [INSERT]{qref:q.5.2.D.b} lockout

BNF {5.1.B}: Users must not fail to authenticate [INSERT]{qref:q.5.1.B.a} times in a [INSERT]{qref:q.5.1.B.b} [INSERT]{qref:q.5.1.B.c} interval to avoid administrative unlock or a [INSERT]{qref:q.5.2.D.a} [INSERT]{qref:q.5.2.D.b} lockout

#when 5.1.a or 5.1.b – did the policy make another statement about consequences for failure to authenticate, then clone sort of, have to skip the 5.1.c option